



## MINUTES

### Research Subcommittee

Monday, March 28, 2011

*Block Period: 8:00 a.m. to 11.30 a.m.; 12:30 p.m. to 2:00 p.m.*

*Chair: Bipin Shah, WinBuild*

*Vice Chair: Peter Lyons, Peter Lyons and Associates, Inc.*

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1. Chair called the meeting to order at 8:46a.m. - antitrust reminder given and reviewed voting requirements
2. Minutes from November 2010 meeting in San Francisco, CA meeting were approved as presented.
3. Stacy Germann (Staff) appointed recording secretary
4. The agenda was reviewed and approved adding one presentation VT Rating Translucent material by Yossi Vinograd, CPI Daylighting for under new business.
5. Reports
  - a. Research Project Status and Financial Summary-Ray McGowan, staff
    - i. Funding is getting low and if all projects are approved further financial distress is likely.
  - b. Window 6-Therm 6 Validation Research P.M.TG-Joe Hayden, Pella
    - i. Research is complete and data analysis is underway.
      1. Willie du Pont presented the TG's status and results.
        - a. Inconsistency with base case window results has presented the possibility of unreliability with procedures in 100A and 200A.
      - ii. **MOTION:** J.Hayden, Pella/D.DeBlock, ODL Motion to approved extension of project deadline to Summer Meeting. Motion passes 49-0-2
    - c. Condensation Resistance Procedure for CMA P.M.TG-Kevin Vilhauer,
      - i. C. Curcija presented an update on the TG.
        1. Calculating CR for CMA using fictitious end points has presented significant issues. Moving towards using actual end points could improve other ratings in CMAST. TG needs to meet to discuss plan of action.
        2. **MOTION:** K.Vilhauer/M.McDonald. Motion to approve project extension. Motion passes 45-0-4
        3. M. McDonald requested to be added to the TG roster.
    - d. Long Range Research Planning TG-Bipin Shah, WinBuild
      - i. B. Shah reminded membership to keep research projects coming in.

- e. Complex VT Rating Research P.M.TG-Ross McCluney, Willie duPont
    - i. Project to renamed as TDD VT Rating Research TG and add Charlie Curcija, LBNL as chair
    - ii. New TDD research has come from LBNL and will be presented at future meeting after research is completed.
  - f. Gas Permeability Research (IGMA project, NFRC cosponsoring)-Werner Lichtenberger, Truseal
    - i. New RFP is coming using “total unit” approach.
  - g. Ventilation Rating TG-Ray Garries, Jeld-Wen
    - i. R. Garries presented an update on the TG status.
    - ii. A calculation rating was proposed on a 0-100 (0 being no ventilation) scale that was developed based on a calculation of product size.
      - 1. Screens are being considered and included as well.
    - iii. A point was made to create the “water heater” scale comparing same products.
  - h. VT Rating Translucent material-Yossi Vinograd, CPI Daylighting
    - i. Presented to the group a significant misstep in NFRC published ratings. Misleading VT ratings are being used by specifiers, architects, and owners.
    - ii. Suggests requiring all manufacturers of translucent fiberglass sandwich panels and polycarbonate multi-cell panels to publish the same uniform VT test data required for other glazing products for NFRC certified products.
    - iii. Under current methodology NFRC does not have the capability to provide VT ratings for all products.
    - iv. Item to be added as new business for SHGC SC under Technical Committee to form a TG to develop a ballot.
  - i. Daylighting Potential Rating TG-Roger LeBrun, Velux
    - i. TG has been asked by BOD chair to redirect their scope to be more of a sounding board. TG leadership will be refocusing the TG.
6. Unfinished Business
- a. RFP ballot: *Research and Coordination to Develop an ASTM Energy Performance Durability Test* (US DOE, Marc LaFrance)
    - i. AAMA Negative **MOTION:** K. Brenden, AAMA/D. De Block, ODL. Motion to find negative persuasive and substantive. Motion passes 34-6.
  - b. RFP Ballot: *Spandrel System Performance Validation Study RFP* (Catherine Best, Benson Industries; Charlie Curcija, LBNL)
    - i. Pella Negative **MOTION:** J.Hayden, Pella/D.De Block, ODL. Motion to find negative persuasive and substantive. Motion passes UVV.
    - ii. Sunergy Negative **MOTION:** W.duPont, Sunergy. Withdrawn under previous action.
    - iii. IGMA Negative **MOTION:** C.Curcija, LBNL/P.Lyons, Lyons Associates. Motion to find negative non-persuasive. Motion passes 37-6.

- iv. AAMA Negative; Withdrawn under previous action.
- v. ODL Negative; Withdrawn under previous action.
- vi. Associated Labs Negative; Withdrawn under previous action.
- vii. ATI Negative Withdrawn under previous action.
- 1. Research Manual TG will consider language to generic bidders request in RFP

c. RFP ballot: *Develop a Method for Evaluating Thermal Stresses in Insulating Glass RFP* (Valerie Block, DuPont Glass Laminating Solutions)

- i. **MOTION:** M. Thoman, ATI/M. McDonald. Motion to withdraw the ballot for consideration due to incorrect submission. Motion withdrawn.
- ii. Pella Negative **MOTION:** J. Hayden, Pella/M. Thoman, ATI. Motion to find the negative persuasive and substantive and direct proponent to submit a request for funding to Research SC. Motion passes 41-0.
- iii. Resubmitted RFF in place of RFP **MOTION:** B. Lingnell, IGMA/D. De Block, ODL. Motion to request full funding from BOD. Motion passes 28-4.

d. RFP ballot: *Research and Coordination to Upgrade ASTM 2190 for IGU Durability Testing RFP* (US DOE, Marc LaFrance)

- i. AAMA Negative **MOTION:** K. Brenden, AAMA/D. De Block, ODL. Motion to find negative persuasive and substantive. Motion passes 25-7.
- ii. ATI Negative Withdrawn under previous action.
- iii. AMSCO Negative Withdrawn under previous action.
- iv. Assoc Labs Negative Withdrawn under previous action.
- v. Assoc Materials Negative Withdrawn under previous action.
- vi. Cardinal Glass Negative Withdrawn under previous action.
- vii. Guardian Negative Withdrawn under previous action.
- viii. IGMA Negative Withdrawn under previous action.
- ix. Inex Spacer Negative Withdrawn under previous action.
- x. JELD-WEN Negative Withdrawn under previous action.
- xi. Keystone Negative Withdrawn under previous action.
- xii. NewPro Manufacturing Negative Withdrawn under previous action.
- xiii. Pella Negative Withdrawn under previous action.
- xiv. Sunergy Negative Withdrawn under previous action.
- xv. Velux Negative Withdrawn under previous action.
- xvi. WESTLab Negative Withdrawn under previous action.

7. New Business

- a. CMA Improved Algorithm Bid Review TG-Tom Culp
  - i. Received one bid they are currently reviewing for Summer Meeting.

8. The meeting was adjourned at 1:18 p.m.