



NFRC 2009 Summer Membership Meeting  
July 20-23, 2009, Baltimore, MD

## Minutes

### **Annual Energy Performance Subcommittee**

Wednesday, July 22, 2009

*Under Technical Committee Block: 7:30 a.m. – 12:30 p.m.*

*Chair: Tom Culp, BirchPoint Consulting*

*Vice Chair: James Larsen, Cardinal Glass, Inc.*

---

#### **1. Meeting called to order at 10:00**

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

#### **2. Recording secretary (Jessica Ferris)**

#### **3. Agenda reviewed and approved**

#### **4. Minutes from March meeting in Tucson, AZ approved as presented.**

#### **5. Reports**

- a. International Activities – ISO committee voted on draft ballot of 1892 – didn't get a chance to submit negatives. Next ISO meeting is in October in Zurich, Germany.

#### **6. Unfinished Business - None**

#### **7. New Business**

- a. Ballot - reference house procedure in NFRC 901 –

#### **Negatives:**

1. Alliance to Save Energy – Regarding Table 1 – Reference house fenestration area – 15% suggested.

**MOTION:** N. Peterson/G. Stone moved to find negative persuasive. Motion passes by unanimous voice vote.

2. BBRS – Regarding Table 1 – leave it as user input rather than providing a default of 25% of fenestration on each side of the house.

**MOTION:** G. Stone/S. Johnson moved to find this negative and Cardinal's negative persuasive and substantive and to move this ballot back to the task group for review of different options. 16-12 Motion passes.

3. Cardinal - Regarding Table 1 – Reference House, Exterior Shading – disagrees with RESFEN typical shading assumptions



## Minutes

**MOTION:** J. Larsen/R. Temple moved to find negative persuasive and substantive and to send it back to TG along with review of distributions and use RESFEN typical conditions as guideline. 7-14 Motion fails.

**MOTION:** C. Curcija/R. McCluney moved to find negative non-persuasive. 14-7 Motion passes.

### 4. BBRS – Table 1 – HVAC Efficiency

**MOTION:** G. Stone/R. Temple to find negative persuasive and editorial. Motion passes by unanimous voice vote.

### 5. Cardinal – Table 1 Internal Loads

**MOTION:** J. Larson/G. Stone moved to find negative persuasive and substantive. Motion passes by unanimous voice vote.

6. Cardinal – Section 9 - Replace standard deviation with range (high/low) – negative withdrawn.

7. BBRS – Dynamic fenestration. How is this handled as a variable? Proposes revisions to this language in Table 1.

**MOTION:** G. Stone/D. de Block moved to find negative persuasive and substantive, and to reconsider how dynamic glazing is considered. Motion passes by unanimous voice vote.

Straw Poll taken on the following –

a. Range approach – define end points and reported as a range for both heating and cooling. - 5

b. Define a number of conditions and run those simulations to produce average and standard deviation; one number for heating and cooling. - 6

8. Cardinal – Setpoints – There is an assumed night–time set back of 65 degrees. We should not assume this set back.

**MOTION:** J. Larson/G. Stone moved to find negative persuasive and substantive, and send back to TG to examine how setback temperature should be used. Motion passes by unanimous voice vote.

**MOTION:** G. Stone/ R. Temple that TG reexamine heating and cooling setpoints and make a recommendation to SC. Motion passes by unanimous voice vote.



NFRC 2009 Summer Membership Meeting  
July 20-23, 2009, Baltimore, MD

## **Minutes**

### 9. Cardinal – Natural Ventilation

MOTION: J. Larson/G. Stone to find negative persuasive and substantive. Motion passes by unanimous voice vote.

MOTION: G. Stone/J. Larson moved that all unaddressed negatives and approved with comments be reviewed by the task group. Motion passes by unanimous voice vote.

Suggest by S. Selkowitz: Consider accepting Energy Star model – start with this as a premise.

Straw Poll Taken: In favor – 12; Not in favor - 8

### **8. Meeting adjourned at 11:30 AM**