

Welcome to Minneapolis

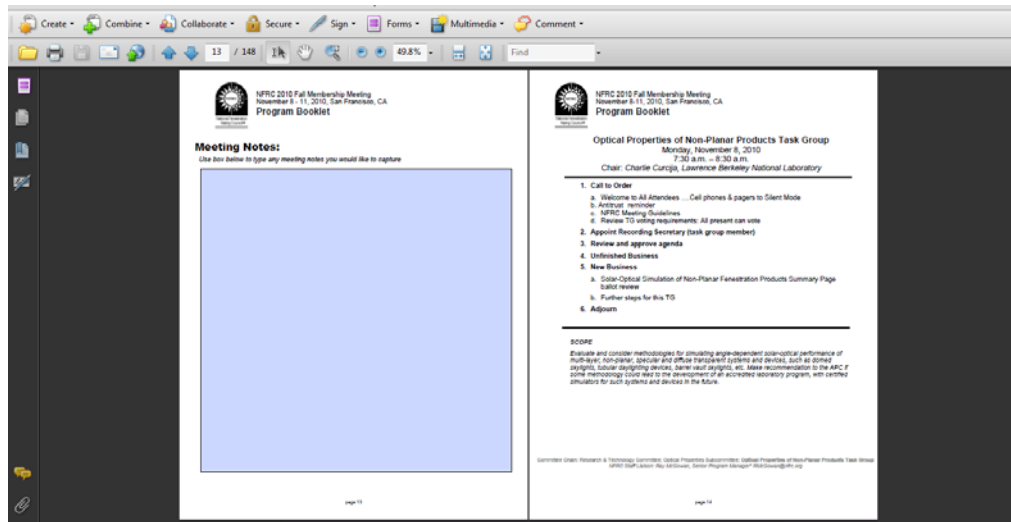
- Housekeeping
- CEO Report
- Legal Counsel Report
- Chair Reports

This week in Minneapolis

- ▶ **Wireless:** There is a wireless internet access code for our group – *On the back of your badge*
- ▶ **Board of Directors Elections:** Vote at the meeting
- ▶ **Stay Tuned:** Live meeting report <http://nfrcnews.blogspot.com>
- ▶ **Networking:**
 - Reception this evening – Member Center, Northwoods 5:00 pm
 - Luncheon tomorrow, in Northstar Ballroom B 12:00 pm
 - Member Center – Northwoods
- ▶ **Observe Your Leadership:** Open NFRC Board Meeting Wednesday morning at 10:30 am, all registered attendees welcome.

Supporting Information

- ▶ NFRC continues **GREEN** – Meeting Flash Drive
 - Program Booklet (*Take notes directly in PDF*)
 - Ballot Tools: All Ballots/Voting & Comment Summary
 - Schedule
 - Minute Taking & Blank Motion Forms



Supporting Information

▶ **NFRC Working to Ensure Appropriate Votes are Counted**

- One Vote per Member Company
- Voting Cards Distributed at Registration
- *One card for subcommittee and one for each Committee*

where Company is currently on roster

Supporting Information

▶ Be a part of the conversation.....

- @NFRWindows will be tweeting live this week
 - Blog features
 - Schedule changes
 - Pictures
- Join the conversation using **#NFRCMtgF15**

The image displays two screenshots of social media content. On the left is a Twitter feed with three tweets:

- NFRC Meetings, clg** (@NFRMeetings): NFRC invites U 2 chime in! Use #NFRCMtg12 thru the week 2 voice 2the Fenestration Festivites. Stay Tuned! Watch this s
- USGBC** (@USGBC): RT @usgbcstf: #WorldWaterDay come on over to the #Chapt hashtag at 2pm E today for discussion w/ @USGBC Chapters #water efficiency
- USGBC** (@USGBC): Green building codes will be mandatory for private sector dev in Dubai from 2014 via @gulif_news bit.ly/GUJB8g

Below these is a tweet from **Future Friendly** (@FutureFriendly) with a green 'Future Friendly' logo: "Do you live in one of the unseasonably warm areas of the US" (Promoted by Future Friendly).

On the right is a screenshot of a LinkedIn group page for "NFRC - National Fenestration Rating Council". The page includes a header with navigation tabs (Discussions, Promotions, Jobs, Members, Search, Manage) and a large banner image showing people in a room with windows. Below the banner is a text input field: "Start a discussion or share something with the group...". A post by Cheryl Gendron, CMP, is visible, titled "Info on how you can participate in the 2013 Benchmark Survey for the Window & Door Industry is available at @DWMMag http://ow.ly/uL4cN".



Committee Chair Reports

- Accreditation Policy Committee – J. McFee
- Technical Interpretations Policy Committee – T. Culp
- Certification Policy Committee – J. Jonely
- Verification Policy Committee – S. Strawn
- Research & Technology Committee – D. DeBlock
- Regulatory Affairs and Marketing Committee – G. Stone
- Technical Committee – M. Thoman
- Ratings Committee – S. Johnson

Committee Chair Reports

▶ Accreditation Policy Committee – J. McFee

- APC oversees NFRC's Laboratory Accreditation Program (LAP) and they grant final approval of accreditation to testing and simulation laboratories as well as Approved Calculation Entities (ACEs) for the performance calculations of fenestration products and issue label certificates using the Component Modeling Approach Software Tool (CMAST).
- NFRC accredited laboratories undergo auditing procedures to ensure confidence that the labs produce credible and accurate results and without bias.
- The committee is responsible for all of the documents related to testing labs, simulation labs and certified simulators. The committee has representation from members and it includes testing and simulation laboratory representatives.
- NFRC has 11 approved testing laboratories, 18 approved simulation laboratories and over 100 certified simulators. NFRC also has 9 ACE Organizations approved to produce Label Certificates and 64 approved ACE individuals.
- The Accreditation Policy Committee meets monthly.



Committee Chair Reports

- ▶ **Technical Interpretation Policy Committee – T. Culp**
 - Provide interpretations to technical standards. Interpretations of technical procedures where unclear. Cannot create new concepts or language that must be balloted to membership.
 - Oversee NFRC Simulation Manual.
 - In last year,
 - Updated W6.3/T6.3 and W7/T7 simulation manuals
 - Issued 6 technical interpretations
 - Board issued 1 directive regarding NFRC 201-2010 tests

Committee Chair Reports

▶ Certification Policy Committee- J. Jonely

CPC

Modifications to the NFRC 700 document

- Documented Quality Control System
- Supplemental: Participant QCS Guide
- Plant Re-inspection guidelines
- IGU Conditional Certification Requirement

Modifications to the NFRC 702 document:

- Plant Audit Requirements
- General IA requirements and Periodic Review changes

PCP Interpretations

- Manufacturer Licensee Addition of Options During Product Line Recertification Extensions
- Fabricator Licensee Product Line Recertification Extensions



Committee Chair Reports

▶ Verification Policy Committee

- Last year, the IVP completed 232 studies; there were 4 failures
- Failures were primarily due to glass collapse
- This year we had a goal of 10% of ENERGY STAR Certified products, which is 324 studies
- Version 6 was launched this year with the addition of two new requirements
 - **Air Leakage**
 - Common issues are labeling related
 - **Installation Instructions**
 - Common issues are missing elements or instructions which are not readily available.
- Educational outreach in the form of several UA and NFRC co-hosted webinars was conducted to inform partners of the new requirements and how they would be evaluated
- ENERGY STAR Version 6 Northern Zone Ratings for windows will take effect on January 1, 2016.



Committee Chair Reports

▶ Research and Technology Committee, D. DeBlock

- The Solar Spectrum TG will provide a presentation on their work at Optical SC
- A Vacuum Insulating Glass Research Summary Page will be discussed at Research SC
- Four ballots for discussion at Thermophysical SC

Committee Chair Reports

▶ Technical Committee – M. Thoman

- CMA, Condensation, Daylighting, SHGC subcommittees have TG reports
- Physibel Fenestration Software Presentation at Software SC
6 – 7pm on Tuesday will have a more detailed presentation
- One ballot for discussion at U-factor SC (Door Sidelite)
- One ballot for discussion at Ventilation SC (NFRC 401)

Committee Chair Reports

▶ Ratings Committee – S. Johnson

- One ballot for discussion at NFRC 700 SC (Certification Extension)
- Discussion on labeling TDD products

Committee Chair Reports

- Regulatory Affairs and Marketing – G. Stone
- **Fenestration Organization Updates**
 - Fenestration Canada
 - AAMA
 - WDMA
 - IGMA
 - EWC
 - Keystone Certifications
- **Regulatory Affairs and Marketing Updates**
 - Codes
 - EPA ENERGY STAR
 - Communications

2016 Board of Director Nominees

- ▶ **Fenestration Category – Specified for a commercial, non-residential manufacturer**
 - ❖ **Greg McKenna, Kawneer Co, Inc/Alcoa**
 - ❖ **Kevin Dix, Manko Window Systems**

2016 Board of Director Nominees

- ▶ **Laboratory Category – Specified for a commercial, non-residential manufacturer**
 - ❖ **Greg McKenna, Kawneer Co, Inc/Alcoa**
 - ❖ **Kevin Dix, Manko Window Systems**

2016 Board of Director Nominees

- ▶ **Laboratory Category**

- ❖ **Jeff Baker, WESTLab**

2016 Board of Director Nominees

- ▶ **General Interest, Unspecified**

- ❖ Mahabir Bhandari, Oak Ridge National Laboratory

2016 Board of Director Nominees

- ▶ **General Interest, Non-profit institute of research or higher education**

- ❖ **Ravi Srinivasan, University of Florida**



Ravi has been at the University of Florida for four and a half years and is currently an Assistant Professor. He has his PhD & MS in Architecture from the University of Pennsylvania and his MS in Civil Engineering from the University of Florida. He is a Certified Energy Manager and is a LEED AP and Green Globes Professional. He has been involved with NFRC for two years and is active on the ANS Standards Committee



2016 Board of Director Nominees

- ▶ **General Interest, Non-profit or Consumer Organization**
 - ❖ Daniel Huard, U.S. Green Building Council

2nd Annual Student Film Contest



Carlos Perez
University of Arizona

Member Recognition

- ▶ **Group Chairs**
- ▶ **Member Spotlight**
- ▶ **Service Awards**

2015 Group Chairs

Alan Kinne

Steve Jasperson

Bipin Shah

Catherine Best

Charlie Curcija

Chris Anderson

Dave DeBlock

David Cooper

Garrett Stone

Jacob Jonsson

Jeff Baker

Jim Krahn

Joe Hayden

Joe Jonely

John McFee

Kerry Haglund

Kevin Vilhauer

Lisa Winckler

Lucas Turner

Mahabir Bhandari

Mike Thoman

Paul Bush

Ray Garries

Roger LeBrun

Anthony Cinnamon

Steve Johnson

Steve Strawn

Steve Urich

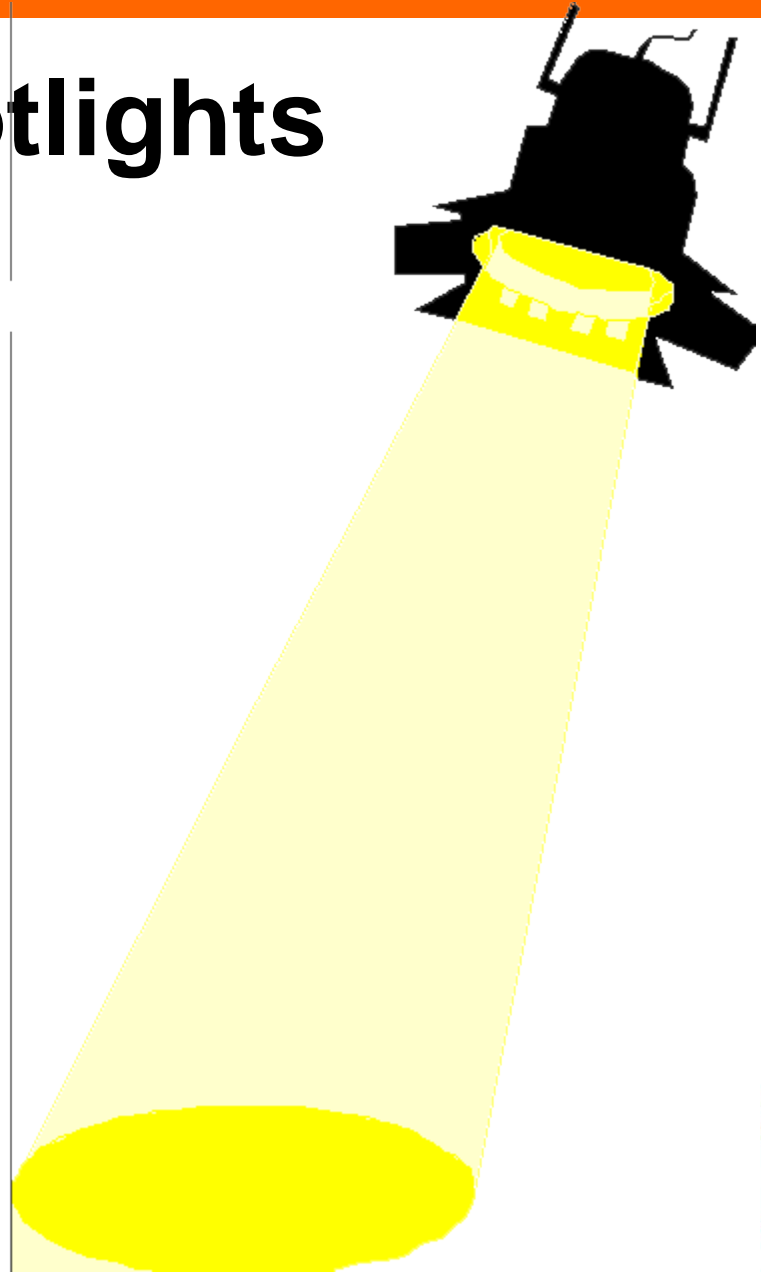
Tina Jenkins

Tom Culp



2015 Member Spotlights

- ▶ Sue Schreiber
- ▶ Steve Strawn
- ▶ Chris Anderson
- ▶ Ben Gowers



2015 Service Awards

Sneh Kumar
Alcoa/Kawneer
2009-2015



