

**FLORIDA BUILDING COMMISSION
HURRICANE RESEARCH ADVISORY COMMITTEE
TELECONFERENCE MEETING FROM TALLAHASSEE
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October 2, 2020

1:00 P.M.

Minutes

HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS PRESENT:

James Schock, Chairman
Sergio Ascunce
Joe Belcher
Anne Cope, Ph.D.
Mark Mikkelson
Craig Parrino

John "Bud" Plisich
Angela Schedel, Ph.D.
Brad Schiffer
Jeffery Schnellmann
Vince Seijas
Brian Swope

HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS NOT PRESENT:

David Compton

STAFF PRESENT:

Mo Madani
Thomas Campbell
Jim Hammers

Justin Vogel
Chris Howell

MEETING FACILITATION:

The meeting was facilitated by Jeff Blair from Facilitated Solutions, LLC. Consultation, Process Design & Facilitation. Information at: facilitatedsolutions.org

Welcome:

Time: 1:00 p.m.

Mr. Blair welcomed everyone to the meeting of the Hurricane Research Advisory Committee.

Roll Call:

Mr. Blair performed roll call for the HRAC. A quorum was determined with 11 members present at roll call.

Agenda Approval:

Mr. Blair asked for a motion to approve the agenda for October 2, 2020 as posted if there were no changes.

A motion was entered and seconded to approve the agenda for today's meeting as posted. The motion passed unanimously with a vote of 11 to 0.

Approval of Minutes for July 28, 2020.

Mr. Blair asked for a motion to approve the minutes for July 28, 2020 as posted if there were no changes.

A motion was entered and seconded to approve the minutes of the July 28, 2020 meeting as posted. The motion passed unanimously with a vote of 11 to 0.

Mr. Parrino joined the call bringing the total members to 12 in attendance.

Mr. Blair explained the process for the next phase of the Committee and the upcoming proposals and reports. He advised that these items will not be decided on today for a recommendation but are being presented to allow the Committee to ask clarifying questions.

Mr. Madani provided the background of the research projects and prior actions and the next steps to be taken. He stated this meeting is to review these proposals for feedback and that there will be no action taken at this meeting as these are for consideration as potential research projects for next year based on need.

Mr. Belcher asked for clarification that these reports are being used as an early review but no actions will be taken until next year when the Committee meets again to look at the new potential projects.

Mr. Blair advised yes, this is an opportunity for review and then the proposals will need to be submitted for final review next year.

Final Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity:

Dr. Prevatt was not present on the call. Mr. Blair suggested that they continue to the next report.

Fenestration Industry's Response to the Final Report:

Jennifer Hatfield provided background on this report and suggested it is to be used within the Committee as proposed future research.

Jason Seals provided additional information on this report and stated this is an outline to be used as a guide for the HRAC for future research; he said this is an alternative from the conclusion of the UF report. Mr. Seals presented a detailed Power Point presentation for the committee of the two part study.

HRAC Committee Questions:

Mr. Seijas stated this is a logical and common sense approach, however the difficulty is going to be cooperation from the unit owners and management to come on the property.

Mr. Belcher stated he agreed this was a good approach. He asked about the plan as to who would be the principle investigators and do these people have to be bonded or tied to a particular University.

Mr. Madani stated this can be addressed next year when the workplan is drawn up and the process is opened up for proposals for research projects. He advised that the proposals are submitted by potential interested parties. Mr. Madani stated that Universities usually have the staff and facilities for the testing and to perform the work.

Mr. Belcher stated he likes the approach.

Mark Mikkelson asked if the Universities can be outside of Florida.

Mr. Madani stated the preference is Universities in the State of Florida.

Mr. Mikkelson then asked if there can be collaborating with out of state Universities.

Mr. Campbell stated yes as long as the Universities under the contract are in Florida.

Mr. Seals covered additional Power Point slides and added that it may be an issue getting the forensic side, but the non-destructive part could be done easily and could provide some good data to work from. He said that there was a study from Cornell University and he felt this would be advantageous to the HRAC and provided detail on the report. He also spoke on the WHIP-C report.

Fenestration Industry's Response to the Final Report (cont.):

Public Comments:

Jay Crandall, Cornell University stated this would be beneficial and spoke further on the Cornell report and proposal for development of Wind Driven Rain, Climatology, and Coincidental Wind Speed Return Period maps for the US.

Fernando Page, Vinyl Siding stated he supported the proposal and would be willing to submit a research proposal for next year.

Committee Member Comments:

Commissioner Schock stated the scientific approach is realistic; however time and cost may not fit the year parameters. He stated he would like to see Florida incorporated in some of the testing that is already in place and not create duplication. Commissioner Schock stated he would like to see more industry-wide searches completed to build mock ups and have more data to use in the testing.

Mr. Belcher thanked the Fenestration Group and appreciated the report. He stated we really need to seek the root causes and get some verifiable answers and this should be the emphasis.

Mr. Schnellmann stated he agreed with Mr. Belcher the root causes need to be identified.

Mr. Seijas stated FIU is in a current study with NOAA and other entities and could provide good information and could possibly do some mock ups.

Dr. Cope asked if FIU could be invited to provide synopsis when their project is complete.

Mr. Madani stated yes and he would contact them for any information that may be available.

Mr. Ascunce stated there is the need for forensic testing and he felt that should be a priority.

Final Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity:

Dr. Prevatt was not present on the call. Mr. Madani provided a brief background of the proposal concept.

Mr. Schnellmann spoke on the section of the report on referencing the section on level of acceptance from home owners of leakage; he said there has to be some leakage for equalization. He also stated that home owner education is needed.

Mr., Mikkelson stated he agreed with Mr. Schnellmann.

Final Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity (cont.):

Public Comment:

Jay Crandall stated cost is the largest concern and risk levels, and he provided examples of what to look for.

Committee Comments:

Mr. Belcher questioned if the Commission approved the FIU rainfall study or if this is the same project Jay Crandall is referencing.

Mr. Madani stated the project approved by the Commission is related to sea level rise to adjust the maps within the code.

Dr. Cope asked for clarification on the rain fall rates and tying the Cornell report and she feels the wind component should be included.

Final Roll Call:

Mr. Blair performed the final roll call with 12 members remaining on the line.

Adjourn:

Commissioner Schock thanked everyone for their participation and adjourned the meeting for the HRAC members at 2:08 p.m.