

**FLORIDA BUILDING COMMISSION
HURRICANE RESEARCH ADVISORY COMMITTEE CONCURRENT WITH
THE STRUCTURAL TECHNICAL ADVISORY COMMITTEE
TELECONFERENCE MEETING FROM TALLAHASSEE
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July 28, 2020

9:00 A.M.

Minutes

HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS PRESENT:

James Schock, Chairman	(Greg Wilson) John “Bud” Plisich
Sergio Ascunce	Angela Schedel, Ph.D.
Joe Belcher	Brad Schiffer
David Compton	Jeffery Schnellmann
Anne Cope, Ph.D. (Eric Stafford)	Vince Seijas
Mark Mikkelson	Brian Swope

HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS NOT PRESENT:

Craig Parrino

STAFF PRESENT:

Mo Madani	Justin Vogel
Thomas Campbell	Chris Howell
Jim Hammers	Joe Bigelow

MEETING FACILITATION:

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

Welcome:

Time: 9:00 a.m.

Mr. Blair welcomed everyone to the meeting of the Hurricane Research Advisory Committee concurrent with the Structural Technical 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 July 28, 2020 as posted if there were no changes.

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

Approval of Minutes for June 26, 2020.

Mr. Blair asked for a motion to approve the minutes for June 26, 2020 as posted if there were no changes.

Mr. Seijas entered a motion to approve the minutes of the June 26, 2020 meeting as posted. Commissioner Compton seconded the motion. The motion passed unanimously with a vote of 11 to 0.

Commissioner Swope joined the call bring the Committee quorum to 12.

Review and Accept Revised Final Draft Report: Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity.

Mr. Madani provided background on the project and reporting phase for the Committee.

Dr. Prevatt, UF and Daniel Smith, PhD, Executive Director of Venrisk Consulting provided a detailed Power Point presentation of the final report for this project.

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

Committee Comments/Questions:

Mr. Strawn expressed concerns regarding the ability to allow for public comments from the research advisory group.

Commissioner Schock stated he would like to have this referred back to the HRAC from the Commission as part of the motion for review and further evaluation after acceptance of the report.

Mr. Belcher placed emphasis on consumers and the cost that would be passed on to the consumer. Additionally, he had concerns on the limited input allowed in their group meetings.

Mr. Gascon noted specific information that needed to be verified on page 20 item 9.

Mr. Mikkelson stated concern that while it's been stated that accepting the reporting does not mean that it's accepting all the conclusions and findings in the report, but he feels it is implied and would like the HRAC to hear the comments from the Advisory Group.

Mr. Stafford stated he agreed with Commissioner Schock about the additional language of the motion to send this to the HRAC for further evaluation and recommendations.

Mr. Strawn expressed concerns over the little amount of time that the group has had to review the report before voting to accept.

Public Comment:

Matt Waldren (Pella Corporation) stated that he was a member of the UF study group and was disappointed by the last minute scope change. He cited 2 points of evidence from the current report and 1 point of evidence from a past report that do not support the scope change.

Mr. Silvers stated the findings show nothing on the flashing and expressed his concerns. In addition, he stated that the roofing contractors are not represented in the research advisory group.

Mr. Fevold (Marvin) stated he was a member of the advisory group and was concerned with several statements in the report and the process.

- 1) Manufactures, including Marvin have plants in Florida and are fully aware of the hurricane testing requirements for fenestration.
- 2) Advisory group's lack of time to review the final published report that changed considerably including adding in a good, better, best illustrative chart without advisory group input.
- 3) The changing of the project scope without approval. Mr. Fevold also agreed with Steve Strawn and Matt Waldren's comments.

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

Public Comment (cont.):

Mr. Seals spoke on the background of these discussions back in 2018 when it was brought before the Structural TAC, and stated this does not appear to answer the issues that have been discussed, as there is still no root cause analysis.

Mr. Galloway (YKK AP) commented that investigating buildings that did not leak was in the project scope and still needs to occur.

Ms. Bowen stated she does not stand behind this report and requested that it not be approved, with an explanation of her statement.

Mr. Hayden (Pella Corporation) requested clarification as to what it actually means if the two committees 'accept' the report.

Mr. Madani addressed the public comments and advised that the group is not supporting the findings, they are voting on acceptance of the report only.

Mr. Orłowski (WDMA) provided information on two deliverables that were supposed to be addressed by the research project (feasibility study and mock-up testing) that were not completed.

Ms. Hatfield stated she is requesting that the industry be allowed to provide comments that are added to this report.

Motion:

Commissioner Schock entered a motion to accept the revised final draft report for "Wind-Driven Rain Tests of Building Envelope Systems up to Hurricane Strength Wind-Driven Rain Intensity" and recommend that the Commission refer the report back to the HRAC for further evaluation and to determine the next steps. Commissioner Compton seconded the motion. The motion passed with a vote of 10 members in favor and 2 opposed.

To Review and Accept the Revised Final Draft Report: Phase II: Experimental Evaluation of Pressure Equalization Factors and Wind Resistance of Vinyl Siding Systems Using a Multi-Chamber Pressure Test Bed.

Mr. Madani provided background on the project and reporting phase for the Committee.

Dr. Prevatt, UF, Oscar Lafontaine, UF Graduate Research Assistant, and Dr. Roueche, University of Auburn, provided a detailed Power Point presentation of the final report for this project.

Committee Comments/Questions:

Mr. Gascon requested clarification on the pressure equalization numbers.

Dr. Prevatt provided the information requested.

Public Comment: None

To Review and Accept the Revised Final Draft Report: Phase II: Experimental Evaluation of Pressure Equalization Factors and Wind Resistance of Vinyl Siding Systems Using a Multi-Chamber Pressure Test Bed. (cont.)

Motion:

Mr. Seijas entered a motion to accept the revised final draft report: Phase II: Experimental Evaluation of Pressure Equalization Factors and Wind Resistance of Vinyl Siding Systems Using a Multi-Chamber Pressure Test Bed. Mr. Stafford seconded the motion. The motion passed unanimously with a vote of 12 to 0.

Recommend and Discuss Potential Research Topics for Consideration by the Florida Building Commission:

Mr. Madani provided a brief background of this proposed project.

Kate Norris, UF, Geo Plan Center provided a detailed power point on the Development of Wind Speed Line Maps Web Viewer for the Florida Building Code, 7th Edition (2020),

Committee Questions/Comments:

Commissioner Schock commented that his county already has this information. He stated he is concerned when this is made available to the public and the updates to the web viewer are not consistent with the county information. Commissioner Schock expressed further concerns on updating the public with the correct information.

Ms. Norris responded with the detail of how information that will be posted for the web viewer.

Mr. Seijas inquired about the coordination with the rainfall and sea level rise.

Mr. Schnellmann questioned the deliverable effective date of 6/30/2021 and renewable date of 7/30/2021.

Ms. Norris stated that it could be rolled out in about 30 days so this would be up for about a year prior to a renewal date.

Mr. Stafford asked about the ability to bring in additional layers such as impacts, NOAA imagery, shelter locations, wind speed contours, etc.

Ms. Norris advised there is always capability and this would depend on size and the ability to run the program and cost of the additions.

Public Comments: None

Research Plan:

Mr. Madani provided the detail of the research plan including definitions for research and technical enrichment. He also provided the workplan schedule.

Next Steps: Agenda Items, Needed Information, Identification of further research and development essential to hurricane protection:

Mr. Blair provided a follow-up of the next actions and discussions for the Committee on August 3, 2020 at 9:00 a.m.

HRAC Comments: None

Final Roll Call:

Mr. Blair performed the final roll call with 11 members remaining on the line.

Adjourn:

Commissioner Schock thanked everyone for their participation and adjourned the meeting for the HRAC members at 11:46 a.m.