

**FLORIDA BUILDING COMMISSION
HURRICANE RESEARCH ADVISORY COMMITTEE
TELECONFERENCE MEETING FROM TALLAHASSEE
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April 14, 2022

9:00 am.

Minutes

HURRICANE RESEARCH ADVISORY COMMITTEE MEMBERS PRESENT:

James Schock, Chairman

Sergio Ascunce

Joe Belcher

Eric Stafford for Anne Cope, Ph.D.

David Compton

Jeffery Gross

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:**

Mike Savage

STAFF PRESENT:

Mo Madani

Thomas Campbell

Justin Vogel

Jim Hammers

Welcome:

Time: 9:00 a.m.

Welcome:

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

Roll Call:

Mr. Campbell performed roll call for the HRAC. A quorum was determined with 13 members present at roll call.

Agenda Approval:

Chairman Schock covered the agenda items for the meeting today.

Mr. Belcher entered a motion to approve the agenda as posted. Mr. Schnellmann seconded the motion. The motion was passed unanimously with a vote of 13-0.

Approval of Meeting minutes from March 15, 2022:

Mr. Belcher entered a motion to approve the minutes for March 15, 2022 meeting as posted. Mr. Seijas seconded the motion. The motion was passed unanimously with a vote of 13-0.

Discussing determination regarding which Research Topics meets the Criteria for Funding: Worksheet Research Topics Evaluation

Mr. Madani informed the HRAC members on the process for determining which projects meet the requirements for funding.

Mr. Campbell introduced Mr. Plisich for discussion and determination on his research topics.

FEMA-John Plisich

Mr. Plisich informed the HRAC members that FEMA proposed six topics for consideration.

- 1) Recommendation #FL-14b. Industry groups should assess the causes for the widespread asphalt shingle roof covering loss that was observed by the MAT.**

Mr. Plisich briefly explained recommendation #FL-14b.

HRAC Vote:

Mr. Campbell performed a roll call vote on recommendation #FL-14b.

Chairman Jim Schock-Yes
Sergio Ascunce- Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford-Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 13-0 in support of Recommendation #FL-14b.

- 2) **Recommendation #FL-16. Industry groups and academia should perform research on commonly used ridge vent products to better determine the causes of ridge vent failure and develop solutions.**

Mr. Plisich briefly explained recommendation #FL-16.

Questions/Comments:

Mr. Belcher asked a question regarding recommendation #FL-16.

Mr. Plisich provided an answer to Mr. Belcher's question.

Mr. Seijas asked a question regarding recommendation #FL-16.

Mr. Plisich provided an answer to Mr. Seijas' question.

Mr. Schnellman asked a question regarding recommendation #FL-16.

Mr. Plisich provided an answer to Mr. Schnellman's question.

HRAC Vote:

Mr. Campbell performed a roll call vote on recommendation #FL-16.

Chairman Jim Schock-Yes
Sergio Ascunce- Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford-Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 13-0 in support of recommendation #FL-16.

3) Recommendation #FL-21b. The State of Florida and FDEM should consider re-evaluating EHPA criteria and re-assess safety of existing EHPAs, particularly those designed prior to the 6th Edition FBC (2017).

Mr. Plisich briefly explained recommendation #FL-21b.

Questions/Comments:

Mr. Belcher asked a question regarding recommendation #FL-21b.

Mr. Plisich provided an answer to Mr. Belcher's question

HRAC Vote:

Mr. Campbell performed a roll call vote on recommendation #FL-21b.

Chairman Jim Schock-Yes
Sergio Ascunce- Yes
Joseph Belcher-Yes (Stated DOE needs to be involved)
Commissioner David Compton-Yes (Stated DOE needs to be involved)
Eric Stafford-Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes

Vince Seijas-No
Commissioner Brian Swope-Yes

The vote passed with a 12-1 in support of recommendation #FL-21b.

Mr. Plisich provided a comment regarding Recommendation #FL-21b.

4) Recommendation #FL-30. The FBC should provide more specific criteria with restrictions on how, when, and where roof aggregate can be used.

Mr. Plisich briefly explained recommendation #FL-30.

Questions/Comments:

Mr. Belcher asked a question regarding recommendation #FL-30.

Mr. Plisich provided an answer to Mr. Belcher's question.

Mr. Madani provided a statement explaining prior discussions and research regarding roof aggregate.

Chairman Schock stated that he agreed with Mr. Madani.

Craig Parrino joined the meeting, making the quorum 14.

Commissioner Swope asked a question regarding the roof aggregate.

Mr. Campbell provided an answer to Commissioner Swope's question.

Commissioner Swope stated his concern about recommending #FL-30.

Mr. Plisich provided a comment about the process of recommending #FL-30.

Mr. Madani commented about how the building code was revised.

HRAC Vote:

Mr. Campbell performed a roll call vote on recommendation #FL-30.

Chairman Jim Schock-No (Stated needed investigation)

Sergio Asuncion-No

Joseph Belcher-No

Commissioner David Compton-No

Eric Stafford-Yes

Commissioner Jeffery Gross-No

Mark Mikkelsen-Yes

Craig Parrino-No

John Plisich-Yes

Dr. Angela Schedel-No

Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-No
Vince Seijas-No
Commissioner Brian Swope-No

The recommendation failed with a 4-10 vote on recommendation #FL-30.

- 5) Recommendation FL-12a. Industry groups and/or academia should study debris generation and strikes to protective systems during hurricanes to determine whether the wind speed triggers for the ASCE 7 wind-borne debris region are appropriate.**

Mr. Plisich briefly explained recommendation FL-12a.

HRAC Vote:

Mr. Campbell performed a roll call vote on recommendation FL-12a.

Chairman Jim Schock- Yes
Sergio Ascunce-Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford- Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
Craig Parrino-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 14-0 in support of recommendation FL-12a.

- 6) Recommendation TX-22a. FEMA should work with industry partners to evaluate whether ASTM testing requirements for debris impacts and wind pressures should be adjusted.**

Mr. Plisich briefly explained recommendation TX-22a.

Questions/Comments:

Mr. Mikkelson asked a question regarding the recommendation TX-22a.

Mr. Plisich provided an answer to Mr. Mikkelson's question.

Mr. Madani asked a question regarding recommendation TX-22a.

Mr. Plisich provided an answer to Mr. Madani's question.

Mr. Madani and Mr. Plisich had a discussion regarding recommendation TX-22a.

Mr. Mikkelson provided a comment regarding recommendation TX-22a.

Mr. Belcher provided a comment regarding recommendation TX-22a.

HRAC Vote:

Mr. Campbell performed a roll call vote on recommendation TX-22a.

Chairman Jim Schock-Yes
Sergio Ascunce-Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford- Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
Craig Parrino-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 14-0 in support of recommendation TX-22a.

Sergio Ascunce:

Proposed research topic: Research to scientifically determine the right age to start inspecting coastal concrete reinforce buildings in Florida.

Mr. Ascunce briefly explained his proposal research topic.

Questions/Comments:

Mr. Belcher asked a question regarding this type of proposal.

Mr. Campbell provided an answer to Mr. Belcher's question.

HRAC Vote:

Mr. Campbell performed a roll call vote regarding Mr. Ascunce's proposed research topic.

Chairman Jim Schock-Yes
Sergio Ascunce-Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford- Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
Craig Parrino-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 14-0 in support of Mr. Ascunce's proposed research topic.

Mr. Sergio Ascunce left the meeting at 10:03 a.m., making the quorum 13.

Proposed research topic: Proposed Assessing the Need to Modernize Water Penetration Resistance Test Procedures with Forrest Masters:

Dr. Forrest Masters briefly explained his proposed research topic.

HRAC Vote:

Mr. Campbell performed a roll call regarding Dr. Forrest Masters' proposed research topic.

Chairman Jim Schock-Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford- Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
Craig Parrino-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 13-0 in support of Dr. Forrest Masters' proposed research topic.

Proposed research topic: Assessment of Inspection Reporting and Building Conditions in South Florida (Miami-Dade and Broward Counties) – Phase II

Dr. Jennifer Bridge briefly explained her proposed research topic.

Questions/Comments:

Mr. Seijas provided a comment regarding the assessment of inspection reporting and building conditions in South Florida (Miami-Dade and Broward Counties) – Phase II

Dr. Jennifer Bridge stated she agrees with Mr. Seijas' comment.

Chairman Schock provided a comment regarding the assessment of inspection reporting and building conditions in South Florida (Miami-Dade and Broward Counties) – Phase II

HRAC Vote:

Mr. Campbell performed a roll call vote regarding Dr. Jennifer Bridge's proposed research topic.

Chairman Jim Schock-Yes
Joseph Belcher-Yes
Commissioner David Compton-Yes
Eric Stafford- Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
Craig Parrino-Yes
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

There was a unanimous vote of 13-0 in support of Dr. Jennifer Bridge's proposed research topic.

Proposed research topic: Wind-induced loads on ground-mounted equipment:

Dr. Joannis Zisis briefly explained his proposed research topic.

Questions/Comments:

Mr. Belcher asked a question regarding the proposal for wind-induced loads on ground-mounted equipment.

Mr. Plisich provided an answer to Mr. Belcher's question.

Mr. Stafford provided more information pertaining to Mr. Belcher's question.

Mr. Seijas provided a comment on the proposal for wind-induced loads on ground-mounted equipment.

The Committee, the presenters, and staff engaged in a discussion regarding the proposal for wind-induced loads on ground-mounted equipment.

HRAC Vote:

Mr. Campbell performed a roll call vote regarding Dr. Joannis Zisis' proposed research topic.

Chairman Jim Schock-Yes
Joseph Belcher-No
Commissioner David Compton-Yes
Eric Stafford- Yes
Commissioner Jeffery Gross-Yes
Mark Mikkelson-Yes
Craig Parrino-No
John Plisich-Yes
Dr. Angela Schedel-Yes
Commissioner Brad Schiffer-Yes
Jeffery Schnellmann-Yes
Vince Seijas-Yes
Commissioner Brian Swope-Yes

The vote passed with a 13-1 vote in support of Dr. Joannis Zisis' proposed research topic.

Other Workgroup Business:

Research Plan

Mr. Madani presented the FY 2022/2023 Research Project Work Plan with upcoming meeting dates and deadlines.

The HRAC committee asked Mr. Madani and Mr. Campbell questions regarding the research plan. They provided answers regarding the research plan.

Public Comment:

None

Workgroup Business and Staff Comment:

None

Adjourn:

Chairman Shock thanked everyone for their participation and, there being no further business before the Committee, he adjourned the meeting at 10:44 a.m.