

HURRICANE RESEARCH ADVISORY COMMITTEE
RESEARCH PROJECT FUNDING RECOMMENDATIONS FOR FY 2022 - 2023
FOR CONSIDERATION BY THE FLORIDA BUILDING COMMISSION—JUNE 7, 2022

RANK	PROJECT TITLE (PI UNIVERSITY)	RAW SCORE OUT OF 10	FUNDING AMOUNT
1	Assessment of Inspection Reporting and Building Conditions in South Florida – Phase II; (UF: Jennifer Bridge)	9.2	\$90,000
2	Establishing Inspection Periods for Preventive Measures for Mid-Rise Buildings Near Coastal and Inland South Florida Environments; (FIU: Atorod Azizinamni)	8.2	\$125,000
3	Assessing the Need to Modernize Water Penetration Resistance Test Procedures; (UF: Forrest Masters/Ryan Catarelli)	7.2	\$120,000
FUNDING SUBTOTAL FOR # 1-3 RANKED PROJECTS			\$335,000
4	Assessment of Durability Requirements for Concrete Structures in Florida; (UF: Chris Ferraro)	5.8	\$100,000
5	An Investigation of the Factors Leading to Ridge Vent Failure and Possible Mitigation Solutions; (UNF: Cigdem Akan)	4.5	\$77,616
6	Wind-Induced Loads on Ground-Mounted and Ground Ballasted Systems; (FIU: Ioannis Zisis)	3.2	\$118,000
TOTAL FUNDING REQUESTED FOR THE SIX PRIORITIZED PROJECTS			\$630,616

THE FOLLOWING PROJECTS ARE NEEDED FOR DEVELOPMENT OF THE 2023 FBC AND ARE BEING FUNDED BY THE COMMISSION

A)	Review of the integrated draft of the 2023 Florida Building Code to identify publication errors, formatting issues, incorrect cross references between sections, missing text, and any other issues related to the integration of the approved amendments into the base code (Consulting Service)	\$65,000
B)	Update and development of wind speed line maps for the 8 th Edition (2023) Florida Building Code; (UF: Katherine Norris)	\$49,977
C)	Survey and investigation of buildings damaged by Category – III, IV & V Hurricanes; (UF: David Prevatt)	\$75,000
TOTAL		\$189,977

The research projects (6) that met the criteria for funding and subsequently submitted a formal proposal including a scope of work and budget will be funded in the Commission’s prioritized order based on the amount of funding available for the fiscal year (~\$450,000). There are 3 research projects required for Code Development requiring \$189,977 in funding, leaving \$260,023 available to fund proposed research projects. There is a request for \$630,616 (\$600,661) in funding for the six research project proposals, leaving a funding deficit of \$370,593 (\$340,593).

Once prioritized and approved by the Commission, staff will fund the FY 2022 – 2023 research projects in priority order based on the funding available.

If additional funds become available during the fiscal year the next priority level project or projects will be funded with staff contracting, administering and overseeing the research, and negotiating scoping and funding levels as appropriate.

MOTION The HRAC voted unanimously, 13 – 0 in favor, to recommend that the Commission approve funding the research projects for fiscal year 2022 - 2023 based on the HRAC’s recommended priority order, and to charge DBPR staff with contracting, administering and overseeing the research, and negotiating scoping and funding levels as appropriate.