



PRESENTED BY UNIVERSITY OF HOUSTON

TAMEST NATURAL HAZARDS SUMMIT

*Responding
to and
Mitigating
the Impacts*

PART I: VIRTUAL SUMMIT

10.19.2021

#NATURALHAZARDSSUMMIT



Theme Four:

ENGINEERING AND DESIGNING FOR RESILIENCE

Moderated by:
HANADI RIFAI, PH.D., P.E.

**John and Rebecca Moores Professor of Civil
and Environmental Engineering**
University of Houston



Panel:

Engineering and Designing for Resilience



AMY BABAY, PH.D.

Assistant Professor
*University of
Pittsburgh*



JULIE SHIYOU-
WOODARD

**President and
CEO**
*Smart Home
America*

SMART HOME



TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON





2/3
of homes
are
underinsured

75%
of businesses
are not insured
or are
underinsured

TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON



Water Intrusion





TAMEST NATURAL HAZARDS SUMMIT
Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON





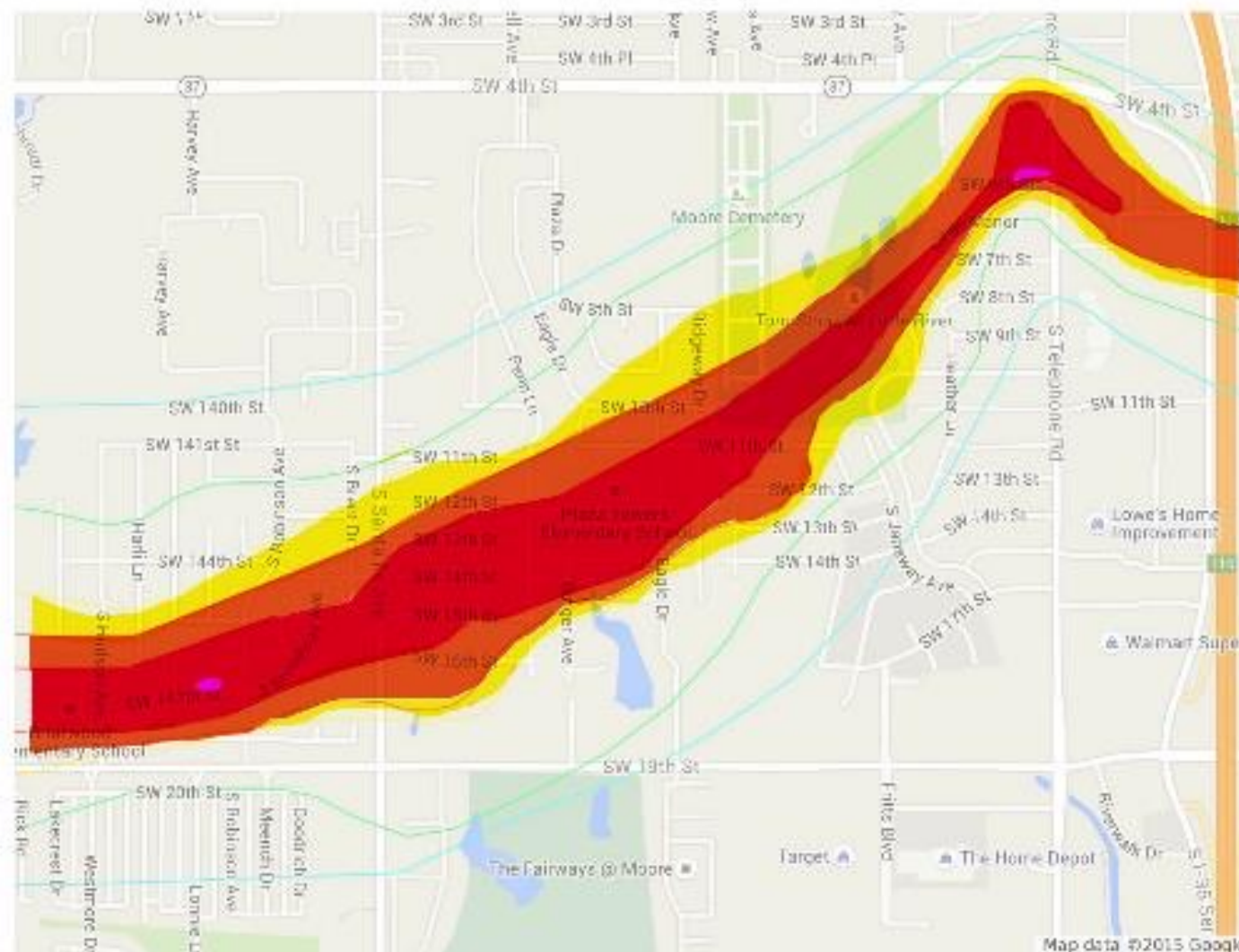
WE CAN'T PREVENT IT WE CAN
ALL DAMAGE. PREVENT THIS.

TAMEST NATURAL HAZARDS SUMMIT
Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON



May 20, 2013 Newcastle-South OKC-Moore EF-5 Tornado



TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON



In total, nearly

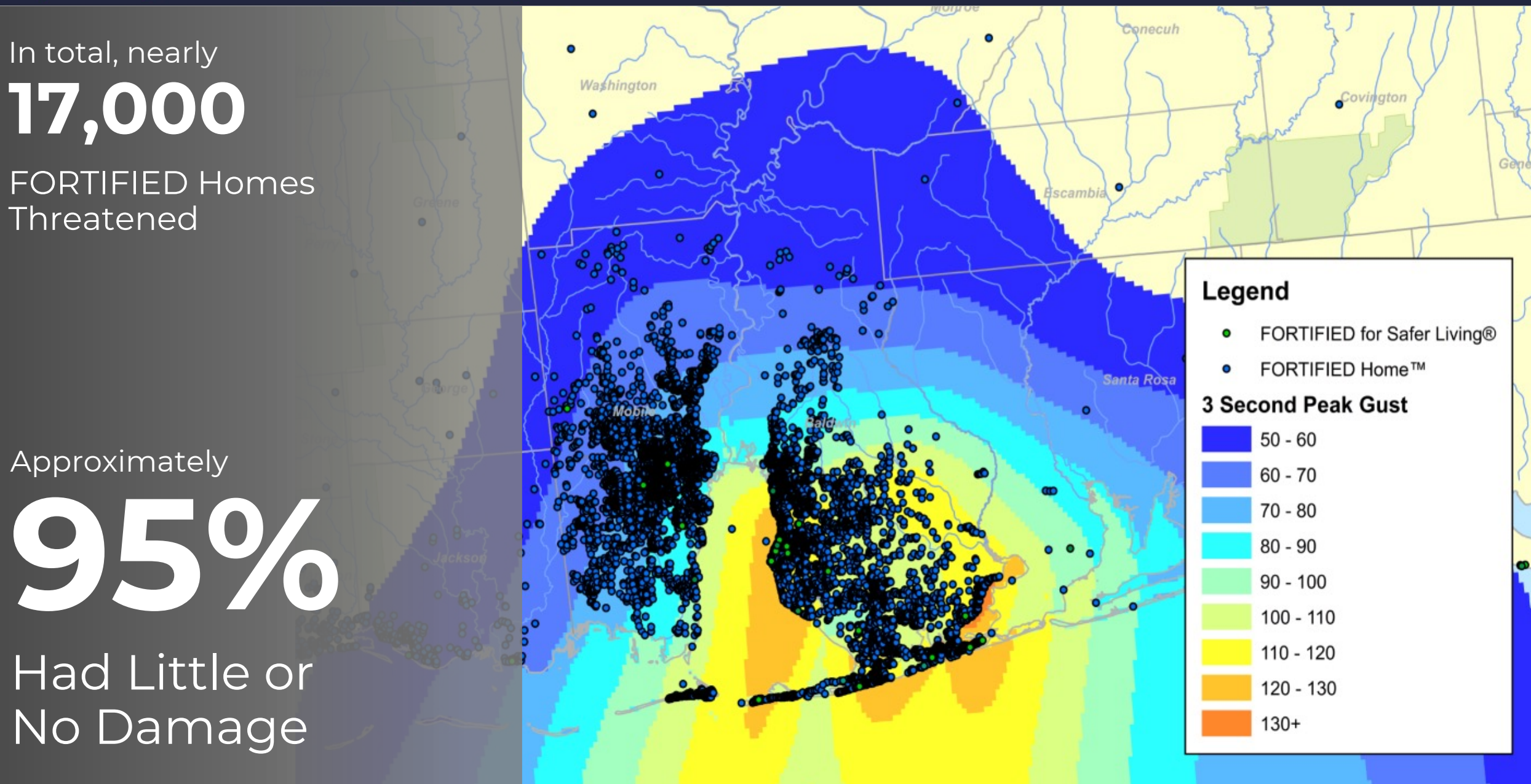
17,000

FORTIFIED Homes
Threatened

Approximately

95%

Had Little or
No Damage



TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON



Post Michael – Habitat Strong

TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON



Our Vision
Stronger,
Sustainable,
More Resilient
Communities

The Insurance Institute for Business and Home Safety©

TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON





TAMEST NATURAL HAZARDS SUMMIT
Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON 

TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

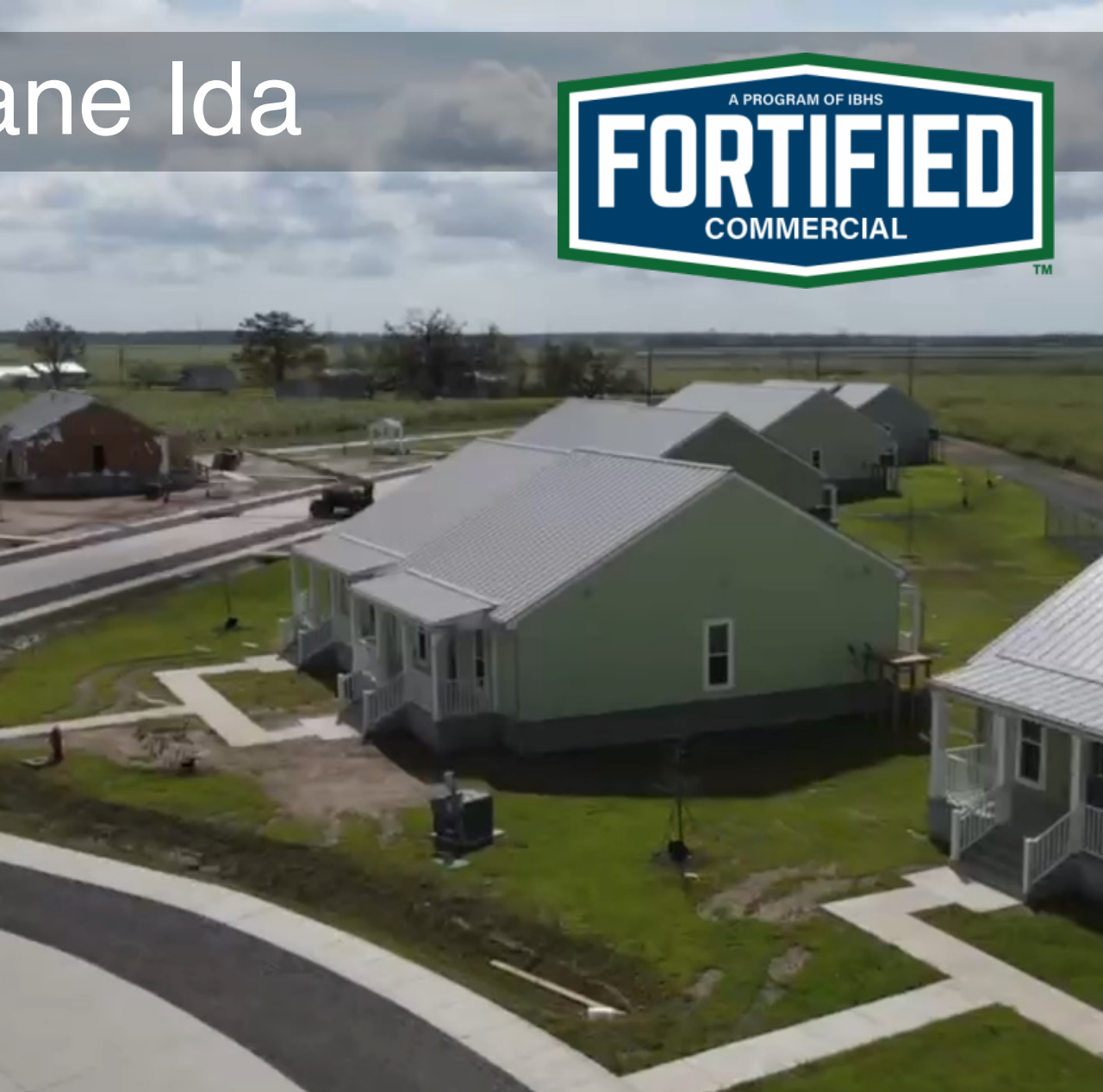
Presented by:
UNIVERSITY of
HOUSTON 



Hurricane Ida

© ARCANE Inspection Services, LLC

Hurricane Ida



TAMEST NATURAL HAZARDS SUMMIT
Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON 

TAMEST NATURAL HAZARDS SUMMIT

Responding to and Mitigating the Impacts

Presented by:
UNIVERSITY of
HOUSTON



FEMA



U.S. Small Business
Administration



New Paradigm: Intentional Resilience

- Proactive
- Goal-oriented
- Sustainable
- Affordable
- Community-wide

NOT FORTIFIED

