

RESILIENCE & SUSTAINABILITY

FROM ASSESSMENT TO IMPLEMENTATION

Florida Stormwater Association | Pre-Conference Workshop | November 29, 2023





Hurricane Katrina
2005



\$196.3 Billion 1,836 Fatalities

- This represents the estimated total costs of the tropical cyclone - the costs in terms of dollars that would not have been incurred had the event not taken place. Insured and uninsured losses were included in damage estimates.
- \$14.6 Billion has been spent to fortify the entire system to 100-year standards



Superstorm Sandy
2012



\$86.5 Billion



Hurricane Harvey
2017



\$156 Billion (Harvey)

\$306 Billion (2017)



Sea Level Rise

An aerial photograph of a residential street completely flooded with water. Three cars are driving away from the viewer down the center of the road, leaving large splashes of white water behind them. The surrounding area includes houses with brown roofs, green lawns, and several swimming pools. The overall scene is a stark illustration of flooding in a suburban neighborhood.

\$619 Billion

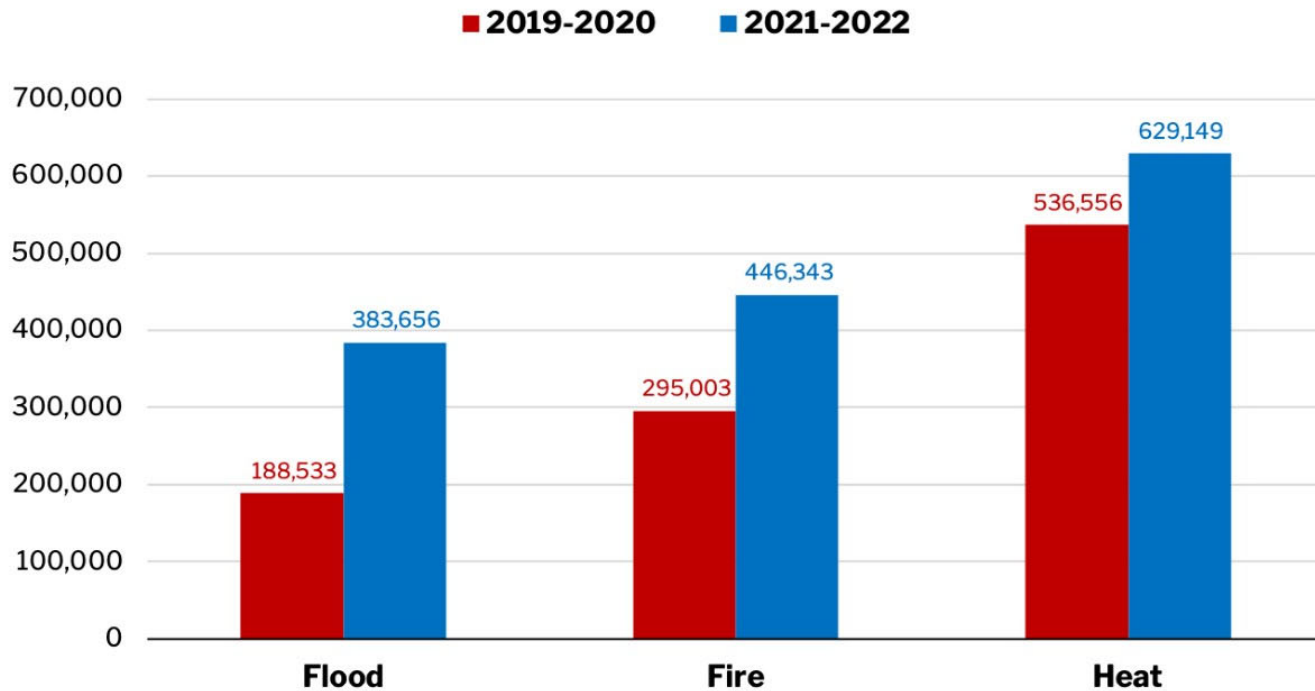
(Property Value by End of the Century)

Nearly 400,000 more people moved into than out of the most flood-prone counties in 2021 and 2022.

This is a 103% increase from the prior two years.

More People Are Moving Into Than Out of Disaster-Prone Places

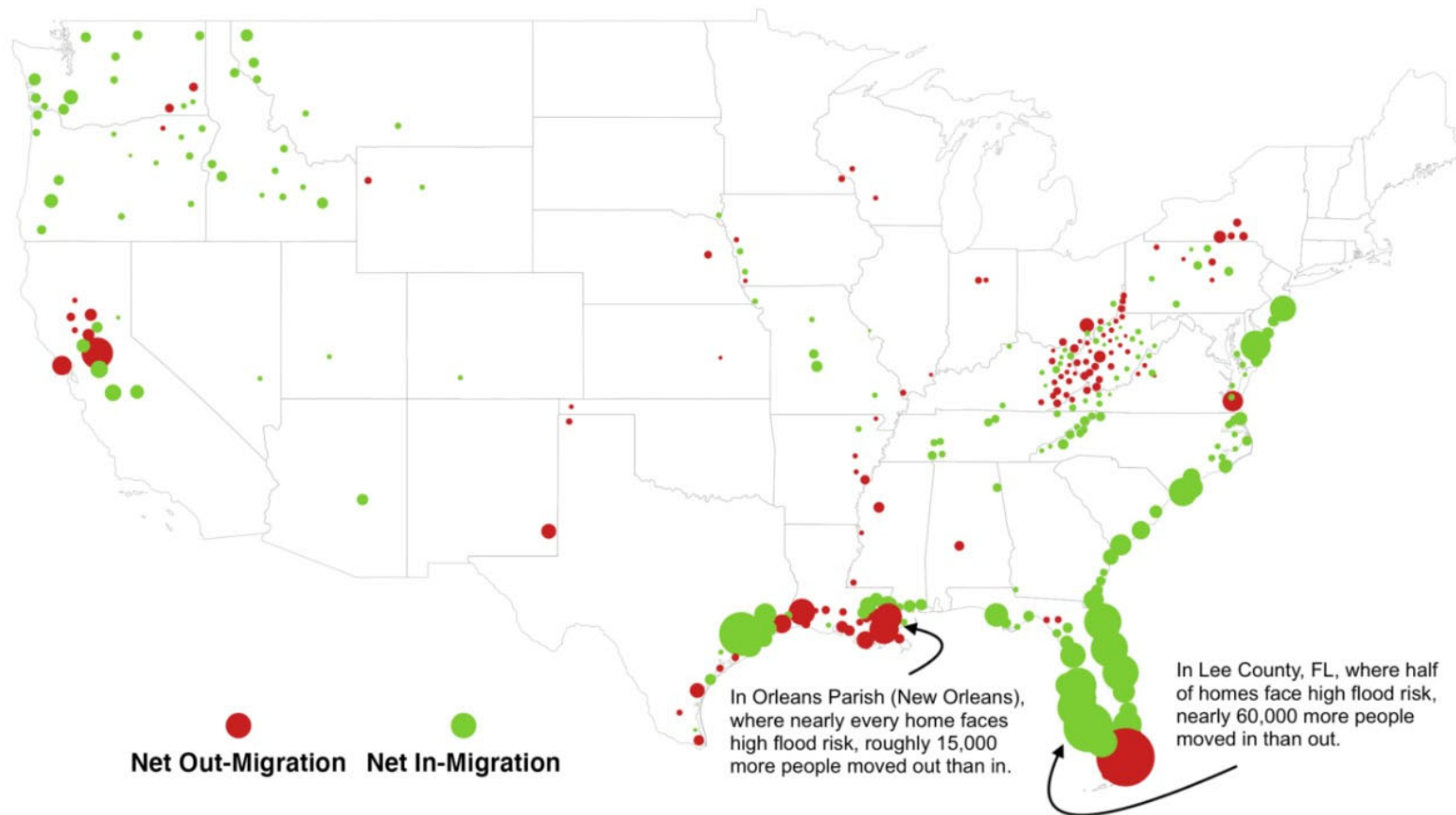
Net inflow to U.S. counties with largest share of homes facing high fire, flood and heat risk



Source: U.S. Census Bureau, First Street Foundation

REDFIN





Sources: Redfin Analysis of US Census Bureau 2021-22 Migration Data; First Street Foundation Climate Risk Data
 Note: Includes counties that rank in top 10% for flood risk, as measured by the share of residential properties at high risk

REDFIN



Florida Policy

2015: S.B. 1094 “Peril of Flood”

2021: S.B. 1954 and H.B. 7019 “Always Ready”

Dec. --> 76 Projects funded with \$270 Million

Feb. --> 113 Projects funded with \$404 Million

May --> 98 Vulnerability Assessments with \$20 Million

Feb. --> 74 Projects for \$275 Million

Feb. --> 128 Planning projects with \$28 Million

Florida Resilience

\$1.4 Billion funded since 2021

\$1.27 Billion for Resilient Florida Program and Flooding and Sea Level Rise Resilient Plan

\$60 Million for Planning Grants

\$6 Million for Regional Resilience Entities

\$100 Million for Coral Restoration, USF Flood Hub and Resilient Florida Program

Meet the Panel



Whit Remer
City of Tampa



Anne Coglianese
Jacksonville



Amy Eason
Martin County



Janeen Wietgreffe
Hazen & Sawyer (Broward County)