



ENTERPRISE COMMUNITY PARTNERS

THE CHALLENGE Millions of families across the U.S. can't afford a place to call home. The system doesn't work.

THE SOLUTION

Together with our partners, we focus on the greatest need – the massive shortage of affordable rental homes – to achieve three critical goals:





Build Resilience & Upward Mobility

to support residents, strengthen communities to be resilient to the unpredictable and make upward mobility possible.

Keep Safe Florida





KEEP SAFE FLORIDA



- Building Hazards and Resident Preparedness
 - Flooding
 - Extreme Wind
 - Extreme Heat
 - Unhealthy Housing
 - Community and Operations

KEEP SAFE FLORIDA





Funding Resources Guide (can be used throughout the steps)

THE BITS AND PIECES

KEEP SAFE **FLORIDA ACTION** REPORT

Generated: 01/13/2022

INTAKE INFORMATION

Prepared for: Enterprise Community Partners

Project Type: Keep Safe Miami

Intake Performed by: First Last Name

SITE INFORMATION

Site Owner: First Last Name

Site Representative Email: email.com

Site Representative Phone: 555.555.5555

Critica	No. of Critical Strategies	
Critical	Strategies that relate to structural and safety concerns that can lead to life and safety issues for building occupants.	5
Moderate	Strategies that will mitigate impact by reducing/minimizing exposure of crucial building elements to natural disasters.	0
Low	Strategies that will improve how occupants handle disaster aftermath and improve life cycle of building.	2

CRITICAL STRATEGIES



Wind

Heat





Unhealthy Housing and Community

Operations Energy and Resilience

PUTTING THE REPORT TO WORK Critical Actions

The following action items were identified during the assessment as critical considerations to your community or property. These items have the highest potential impact to structural and safety concerns that can lead to life and safety issues for building occupants.

t.	Strategy	Action Description	Ratings	Reference Information
	Elevated Living Space	Explore floodproofing measures and use sump pumps in low lying areas. If possible repurpose living space that is below Design Flood Elevation (DFE) or using them for non-residential purposes can minimize damage to electrical and mechanical equipment along with livable space during a flood. Some examples of repurposing spaces below DFE includes, converting the space into parking garage,	Criticality: HIGH Cost Rating: \$\$	https:// www.climatesafehousing.o g/strategies https://
		storage, entryways etc.	Difficulty Rating: MODERATE	www.climatesafeho using.org/elevated- living-space
20	Structural Assessment and Prioritization	Have a structural assessment performed. The condition of a building's structure depends on continuous monitoring and frequent maintenance.	Criticality: HIGH	https:// www.climatesafehousing.c rg/putting-it-all-together
		This strategy focuses on how to evaluate a structure by identifying points of weakness and implementing solutions. Be aware of the following conditions: cracks and fissures, exposed interior rebar and corrosion, lose or rusted joints, and condition in fastening of	Cost Rating: \$\$\$	
		windows, doors, and other apertures. Consult with a building professional (can be a contractor, engineer, or architect) to get the most thorough inspection possible.	Difficulty Rating: DIFFICULT	



MEnterprise Hazard Strategies Guide

The strategies below address a range of potential hazards and vulnerabilities. Select a strategy to learn more and to access Resources for Action that can help make buildings and residents safer and healthier, and lead to more resilient communities.



							С	OST/COM	IPLEX	TY
STRATEGY	CRITICALITY	SEA LEVEL RISE	FLOODING	EXTREME WIND	EXTREME HEAT	UNHEALTHY HOUSING	⊞G	ARDEN- STYLE	<u>∎</u> Lo	NW/MID RISE
Access to Potable Water	CRITICAL	0	0	0	0		s	LOW	\$	MED
Backup Power to Critical Systems	CRITICAL	0	Ø	0	Ø		\$\$	MED	\$\$	MED
Backwater Valves	MODERATE	0	0				\$	LOW	\$	LOW
10		ve is a moderately ea ant problems from se				Q RESOURCE	S FOR	ACTION		
	A backwater val sewer connection	m entering the build ve should be installe in below the highest ally, if the building is	d in any buildin manhole cover	g that has a on the sewer	KS Prevent V	<u>/astewater Backfl</u> <u>r Valves</u>	ow in He	<u>omes</u> 샵		
Clearing Debris on Site	MODERATE			0			\$	MED	\$	MED
Community Resilience	CRITICAL	0	0	0	0	0	ŝ	MED	\$	MED
Community Resilience Spaces	MODERATE	0	ø	0	Ø		\$	MED	\$	MED

BUILDING A PLAN

CRITICALITY	SEA LEVEL RISE	FLOODING	EXTREME WIND	EXTREME HEAT	UNHEALTHY HOUSING	⊞ ^G	RDEN-		W/MID RISE			
CRITICAL	0	0	0	0		Ş	LOW	Ş	LOW			
				0		\$\$	LOW	\$\$	MED			
MODERATE	0	0				\$\$	MED	\$\$	MED			
CRITICAL	0	0				\$\$\$	н	\$\$\$	HI			
Flood Elevation can minimize da along with livabl repurposing spa	e repurpose living sp (DFE) or using them mage to electrical and le space during a flo ices below DFE inclu storage, entryways of	for non-residen nd mechanical e od. Some examp ides, converting	tial purposes equipment ples of	MF Elevated	Q RESOURCE)		<u>-</u>		nity or p occupa		ese items have the
MODERATE	0	ø				\$\$\$	MED	\$\$\$	MED		Ratings	Reference Information
CRITICAL	0	0	0	0		\$	LOW	\$	LOW	_		
001710141	•	R	Ø			ė	LOW	urpose pment	along w ng space rage,	th	Criticality: HIGH Cost Rating \$\$ Difficulty Rating: MODE: ATE	<u>www.climatesafehousing.or</u> <u>g/strategies</u> <u>https:// www.climatesafeho</u> <u>using.org/elevated-</u> living.space

BUILDING A PLAN – STRATEGIES FOR MULTIFAMILY BUILDING RESILIENCE





Background

The Carolina and Connecticut Crescent developments in Atlantic City, NJ are two new affordable housing complexes constructed by Community Investment Strategies, a leading NJ-based affordable housing developer. Located in the the AE flood zone, were rebuilt after Sandy to be resilient to future flood damage.

Strategy Residential areas were elevated 8 ft. above grade, raising them 2 to 3 ft. above the BFE. Wheelchair lifts were

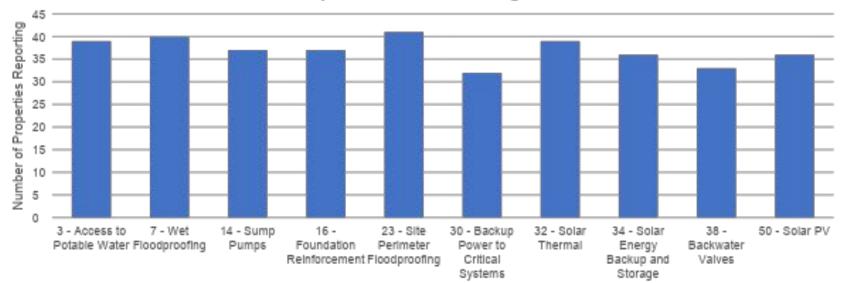


For every identified strategy

- Theory why is this important
- Descriptions and Functions
- Strategy into Action
- Tied to Operations and Maintenance Plan
- General Cost
- Resources
- Case Studies

Top Ten Risks Identified

Keep Safe Florida Cohort One – 43 responses



Top 10 Risks and Strategies

KEEP SAFE FLORIDA

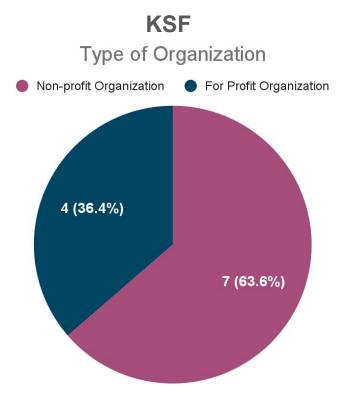
Key Takeaways

1	Funding	Subsidy and grant dollars are critically needed to address resilience vulnerabilities in affordable housing. A pathway to funding should be clear.
2	Resilience = Preservation of Affordable Housing	Ensuring resilience of affordable housing ahead of a disaster is preserving critical affordable housing stock.
3	Building + Operations	Owners and operators must address both building level vulnerabilities and operational realities.
4	Insurance Costs are Rising	Rising insurance costs are putting affordability at risk – can resilience improvements lead to reductions in premiums?

RESPONDENT CHARACTERISTICS

KSF

- 63.6% identified as non-profit organizations
- 36.4% identified as for profit organizations





PORTFOLIO COMPOSITION

Both Keep Safe Programs served organizations that ranged in size in terms of their affordable housing portfolios.

Number of Affordable Housing Properties





deck.

The number of units within organizations' portfolios was appraised differently in each survey and can be found in the respective finding slide

ACCESSING TOOLS AND RESOURCES

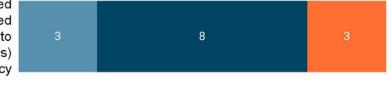
Of those who used Portfolio Protect and Building Protect, most found the information helpful and applied strategies to their buildings.



Portfolio Protect helped my organization identify individual buildings in our portfolio that have the highest climate risks



My organization has used Building Protect's suggested implementation strategies to strengthen our building(s) climate resiliency

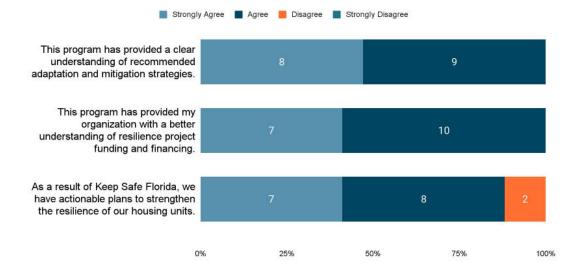




USEFULNESS OF KEEP SAFE CONTENT

As a result of participating in the Keep Safe Program

- All respondents gained a clear understanding of recommended adaptation and mitigation strategies
- All respondents had a better understanding of resilience project funding and financing
- Most respondents had actionable plans to strengthen the resilience of their housing units





IDENTIFYING AND INTEGRATING MITIGATION/ADAPTATION STRATEGIES

Emergency Preparedness, Water Management and Natural Disasters were recurring mitigation strategies identified across both programs.

"Revamping our emergency response plan" -KSM

"Newest rehab will adhere to the 40 year certification process"-*KSM*

"Water usage" -KSF

"Hurricane Crisis plan" -KSF

Stormwater management/Reduce Flooding' -KSF

"Adopting landscaping barriers to mitigate the effect of flooding" -KSM

"Structural fixes to protect from flooding and wind storms" -*KSM*

"Flood proofing, elevation" -KSM

"Natural disaster preparation (hurricane, tornado, earthquake)" *-KSF*



IDENTIFYING AND INTEGRATING MITIGATION/ADAPTATION STRATEGIES

Energy Efficiency was a recurring mitigation strategies identified across both programs

"Improving HVAC" -KSM

"Purchasing some energy star appliances" -KSM

"Energy Efficiency" -KSF

"Energy Efficient Windows, Water Heater, & A/C units" *-KSF*

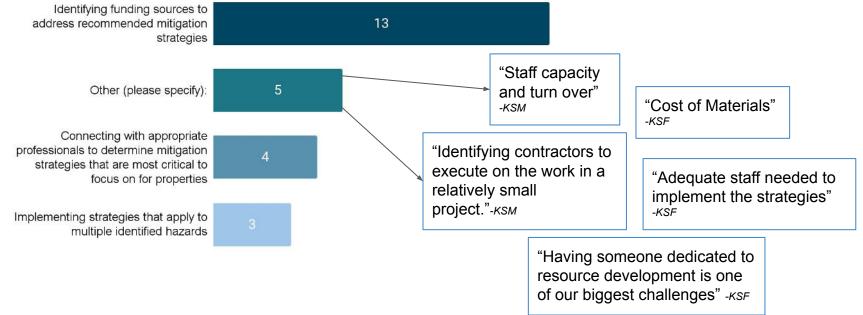
"Structural Fixes to protect from increasing energy costs" -*KSM*

"Proper sizing and replacement of HVAC system" -KSF



KSM CURRENT CHALLENGES

Respondents are currently facing the following challenges related to addressing resilience needs and climate risks in their portfolio





ONGOING SUPPORT/INFORMATION NEEDS

What support and/or information does your organization still need to address the recommended strategies identified through the Program?

Funding & Resources were the recurring support and information needs across both programs.

"Finding supplemental funding to implement the things discovered" -*KSM*

"Apply for and secure funding to implement strategies" -*KSM*

"Identify further sources of funding or guidelines on how to obtain them" *-KSM*

"Follow up on funding recommendations" -KSM

"Easier access to financing" -KSF

"Finding contractors willing to work on smaller projects" -KSM

"Loaning" a knowledgeable staff member from enterprise to housing agencies." -*KSM*

"Staff/Consulting resources to flesh out strategies" -KSM

"Specific Technical Assistance in applying tools to asset management and new construction" -*KSF*

"A list of recommended materials that should be used for making our buildings more energy efficient or types of roofs" -*KSF*



http://EnterpriseCommunity.org/KeepSafeFlorida



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Thank You

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Enterprise