



Resilient Housing Recovery: Strategies and Best Practices

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Rebuilding Together



What's in it for you?

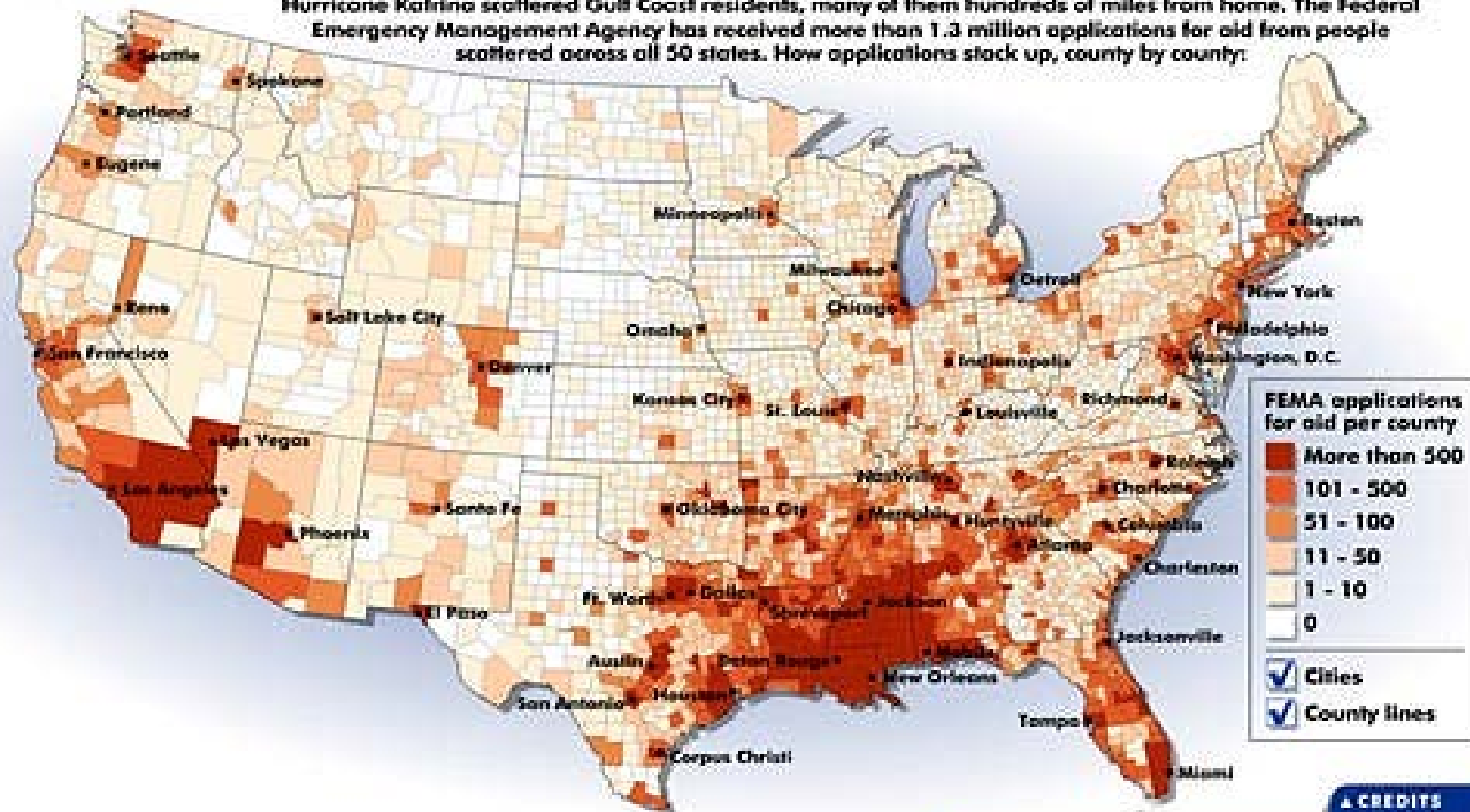
- Housing loss is the greatest single component of all loss in a disaster.
- Housing recovery is the foundation for survivor recovery which promotes whole community recovery.

It's all connected!



Katrina's evacuees dispersed across the U.S.A.

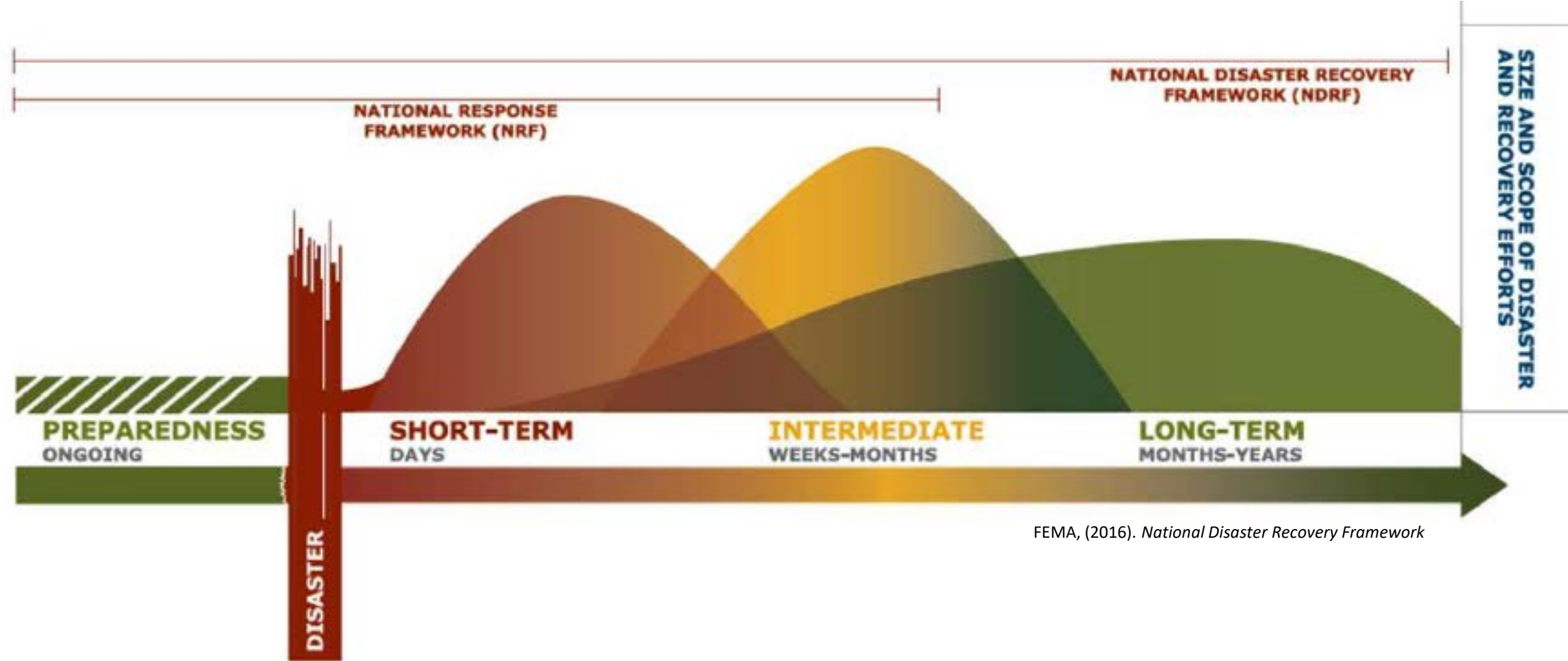
Hurricane Katrina scattered Gulf Coast residents, many of them hundreds of miles from home. The Federal Emergency Management Agency has received more than 1.3 million applications for aid from people scattered across all 50 states. How applications stack up, county by county:



▲ CREDITS

Graphic: Juan Thomassie,
USA TODAY analysis by Paul Overberg
Source: FEMA

National Disaster Recovery Framework



FEMA, (2016). *National Disaster Recovery Framework*



Types of Disasters

Declared

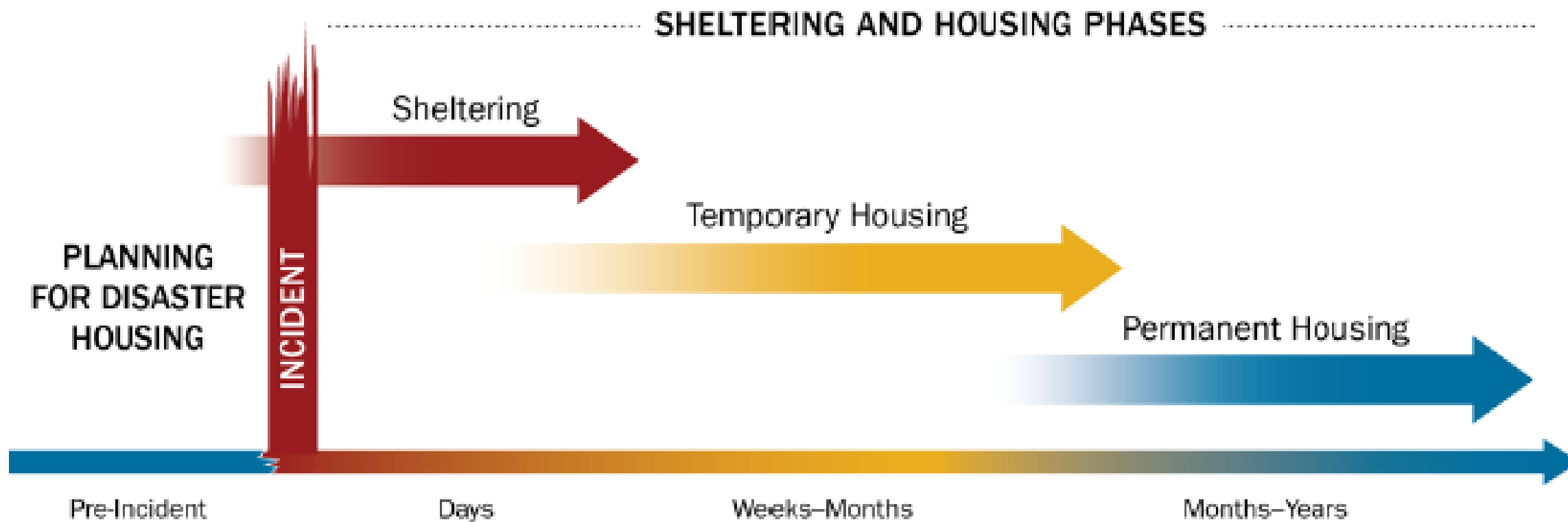
- Local: Leads the recovery process
- State: Opens different types of state resources
- Federal: Opens a variety of federal resources and program, FEMA Individual Assistance

Non-Declared

- Local event
- State support
- More Common



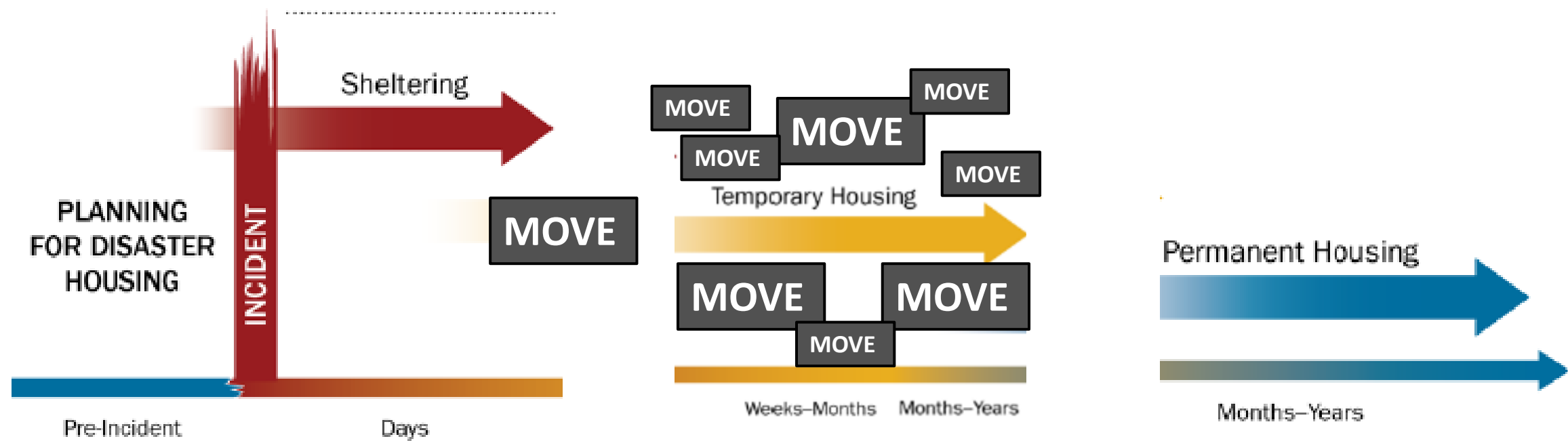
Disaster Sheltering and Housing Phases



FEMA, (2020). *Planning Considerations for Disaster Housing*



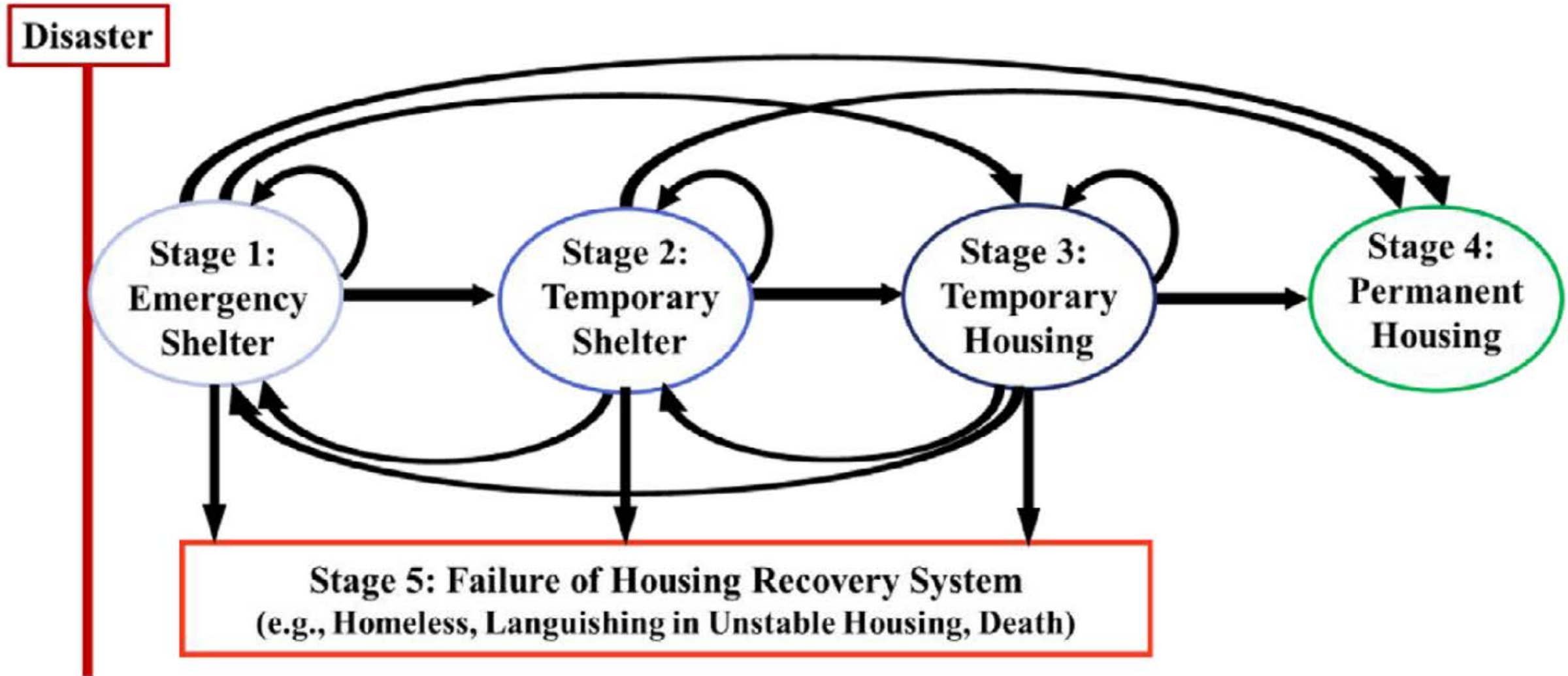
Disaster Sheltering and Housing Phases



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Disaster Housing is Not Linear – It's a Continuum

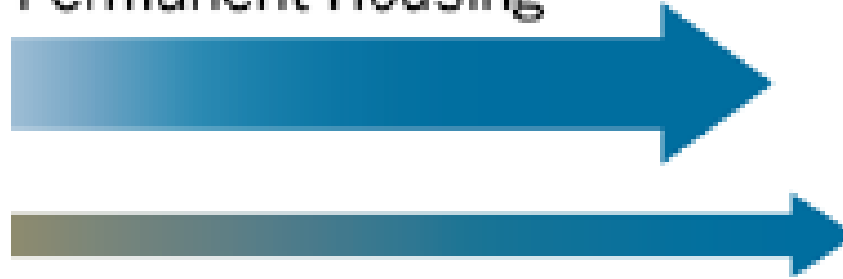


Sutley and Hamideh (2020). *Postdisaster Housing Stages: A Markov Chain Approach to Model Sequences and Duration Based on Social Vulnerability*. Risk Analysis, Vol. 40, No. 12.



Successful Recovery

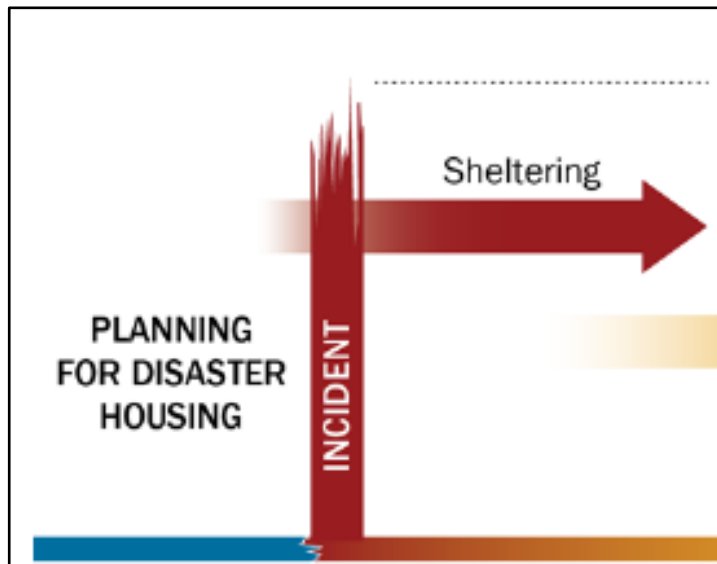
Permanent Housing



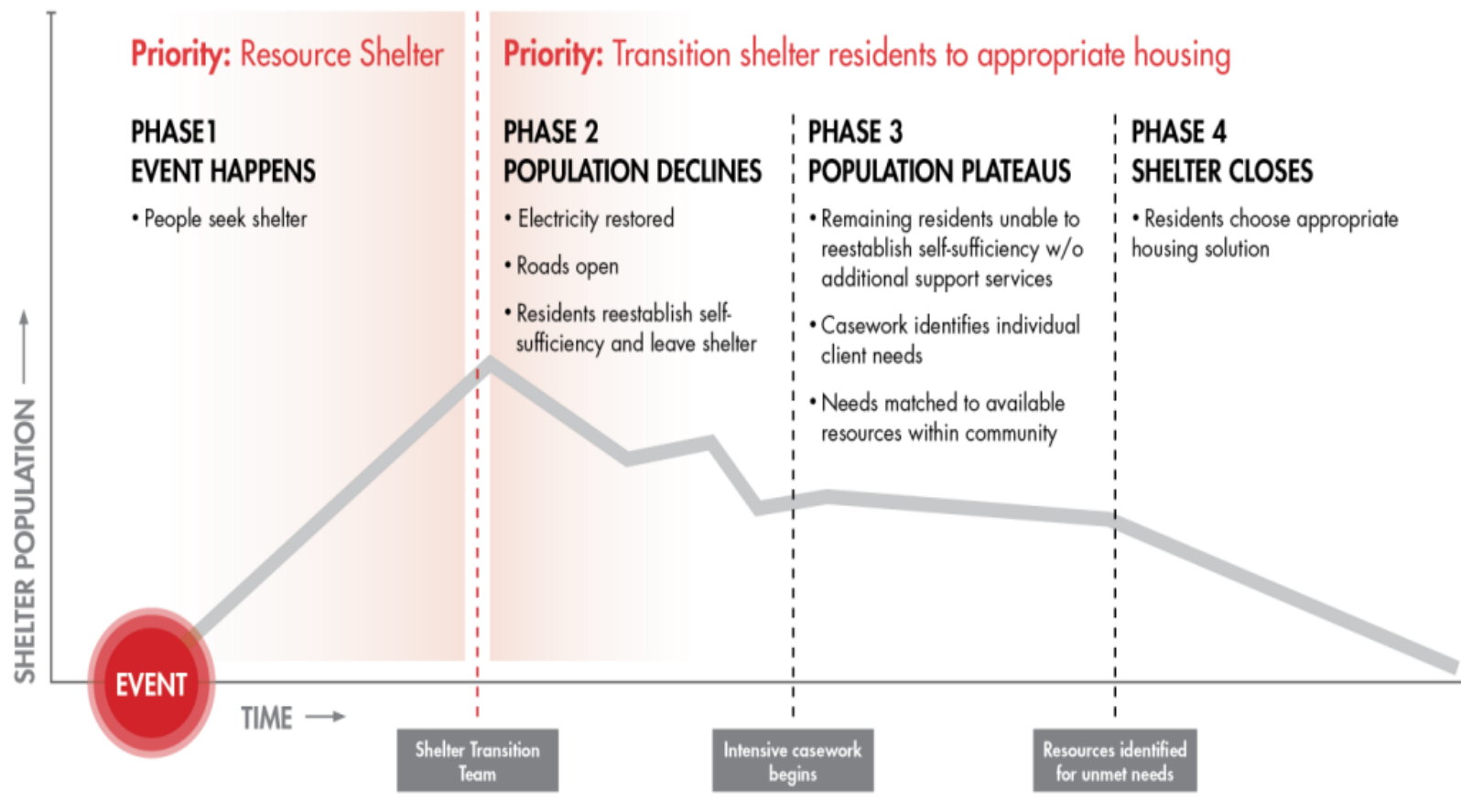
Survivors decide when they are in permanent housing.



Phases of Shelter Operations



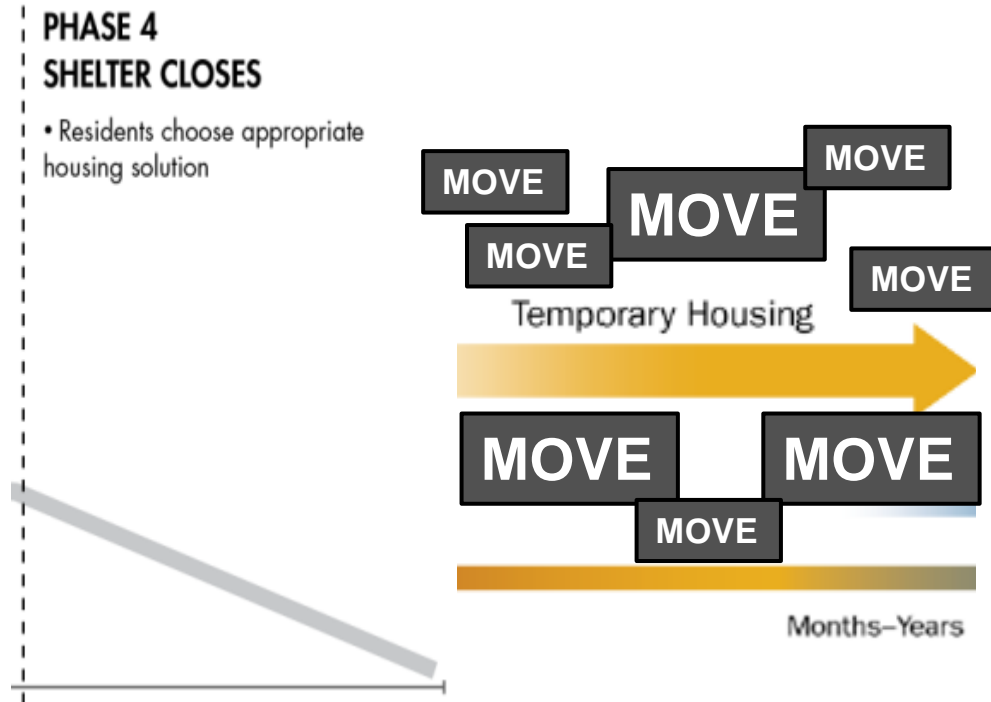
Phases of Shelter Operations



FEMA, (2020). *Planning Considerations for Disaster Housing*



Housing Solutions



It depends!

What are the transition points for this phase?



Lee County/Fort Myers 2022 Tornado

**National Hurricane Conference
Resilient Housing Recovery: Strategies and Best Practices
April 11, 2022**

January 16, 2022

- EF 2 Tornado – Winds 118 MPH+
- 8 mile track
- Iona-McGregor Area of Ft Myers
 - Cottage Point
 - Tropicana
 - Century 21
- Search and rescue and damage assessments by first responders
 - Only 4 minor injuries reported



Initial Response Actions

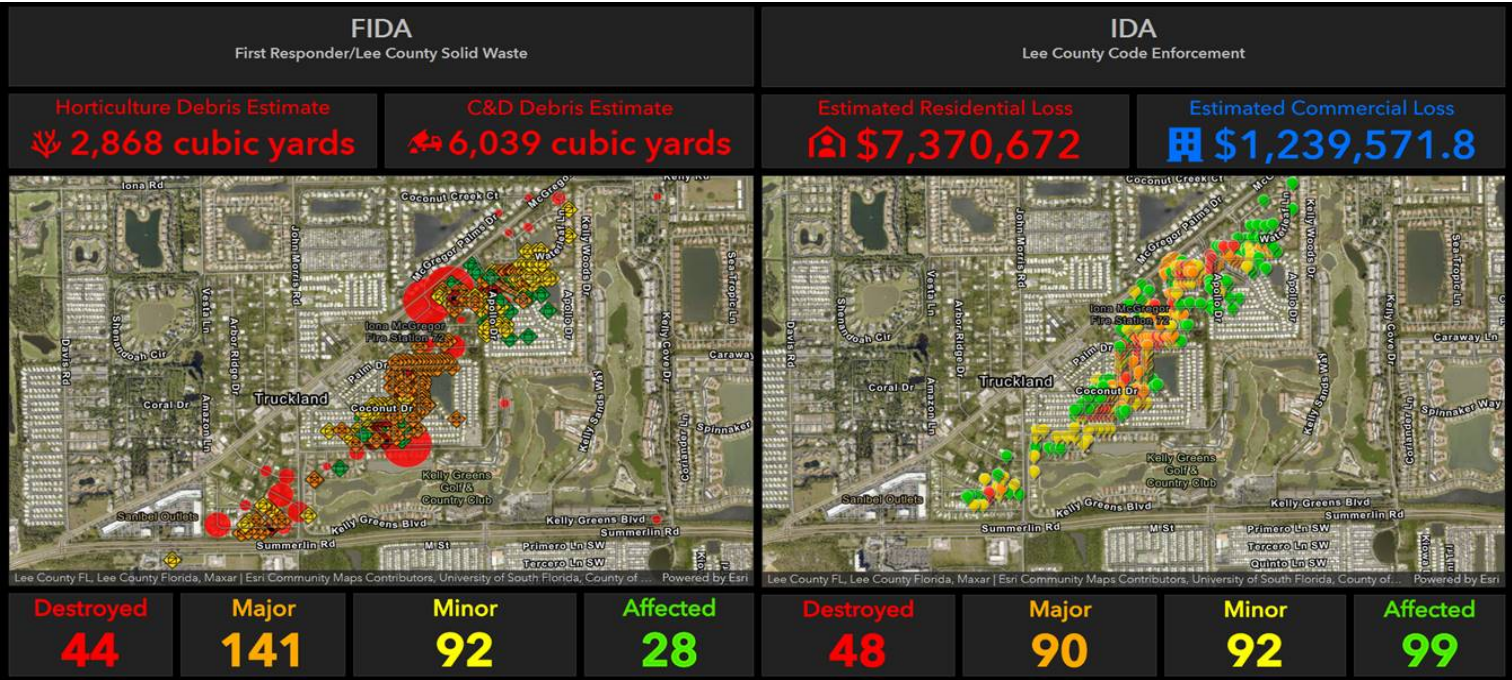
- Set up a shelter at Wa-Ke-Hatchee Recreation Center
 - Staffed by County Parks and Rec staff
 - Transition to Red Cross
 - Lee Tran provided transportation
- Coordinated with United Way to assist a resident discharged from hospital with housing at a hotel
 - Had list provided by Visitor and Convention Bureau of all available hotel rooms
- Conducted initial damage assessments
 - County Department of Community Development teams
- Distributed tarps through Fire District to allow some residents to stay in their homes. Law Enforcement provided security and deter looters
- Started debris collection including a resident drop-off site





Initial Damage Assessment

48 Destroyed
90 Major
92 Minor
99 Affected



Aerial Damage Assessment



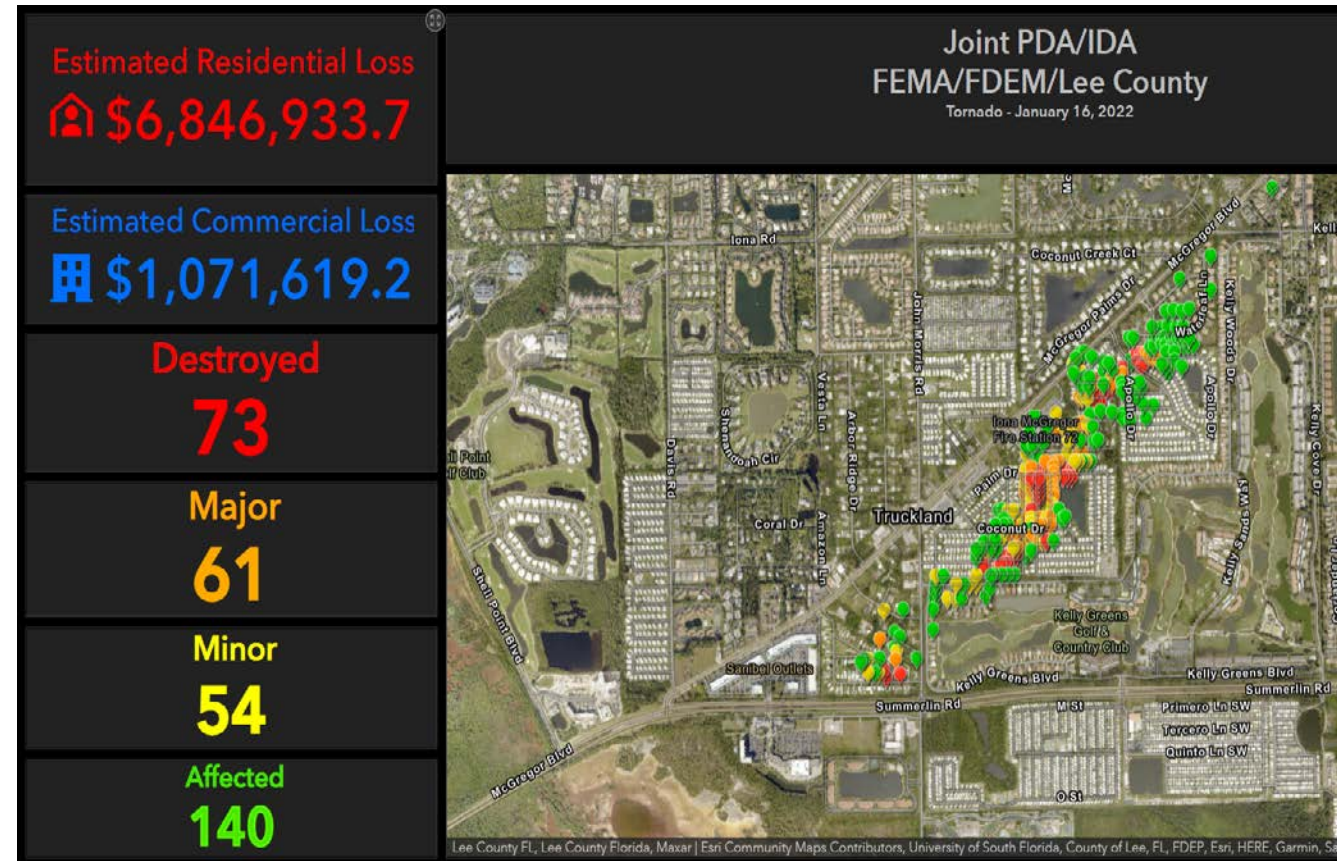
Joint Preliminary Damage Assessment (JPDA)

- Florida Division of Emergency Management provided training
- Street Sheets
- Survey 123
- Ensured agreement among SBA, DCD, FDEM, and FEMA for each property
- Lee County EM answered questions by the public and JPDA team focused on assessments



Joint Preliminary Damage Assessment

- Damage data changed
 - Destroyed homes increased
 - Teams had better access to homes



Individual Assistance (IA) Declaration Request

- Creating the Narrative
 - Demographics
 - Age
 - Average income and employment
 - Insured/Uninsured/Underinsured
 - Owners vs. Renters
 - Many owned the home, but rented the land

FEMA Individual Assistance – Six Declaration Factors

44 C.F.R. 206.48 (b)

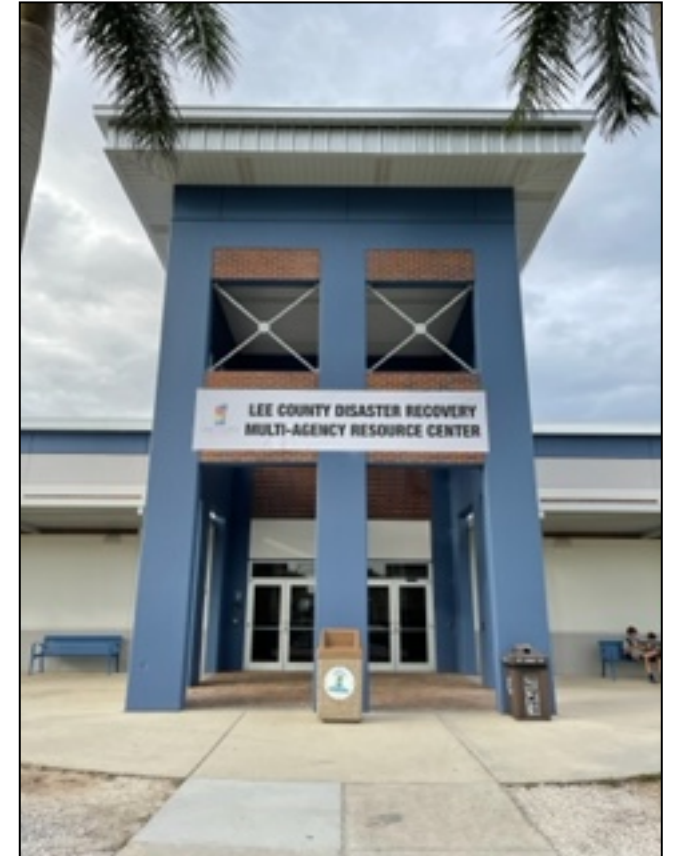
- State Fiscal Capacity and Resource Availability
- Uninsured Home and Personal Property Losses
- Disaster Impacted Population Profile
- Impact to Community Infrastructure
- Casualties
- Disaster Related Unemployment

Great FDEM and Lee County EM Partnership!



Multi-Agency Resource Center (MARC)

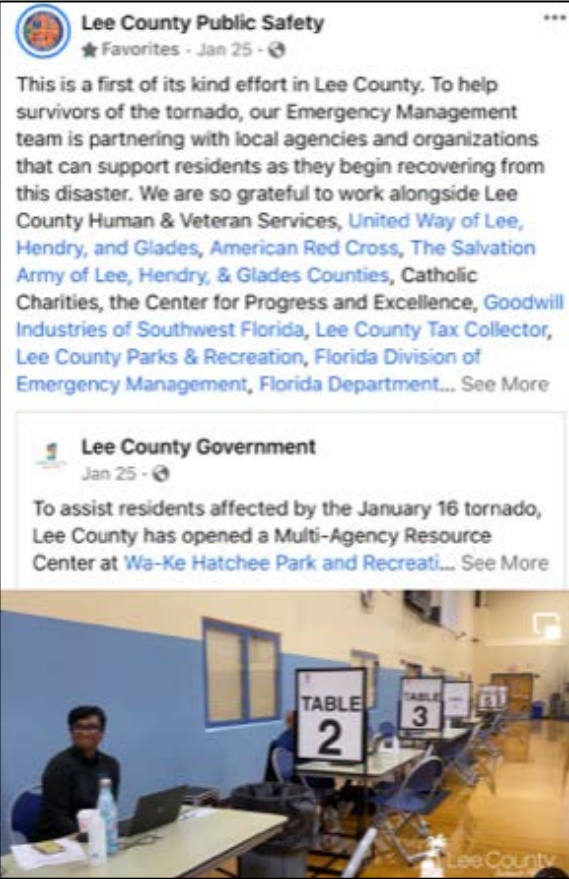
- Wa-Ke-Hatchee Recreation Center
 - IT – Computers and Internet
 - LCEM – Logistics and Volunteers
- Worked with FDEM and local partners to contact resources



Multi-Agency Resource Center (MARC)



Public Information and Community Outreach





For more information visit www.leegov.com/hurricane/storm

MULTI-AGENCY RESOURCE CENTER

If you need help recovering from the January 16th tornado, Lee County is providing the support you need.

Please bring proof of residency if possible.



OPENING SATURDAY, JANUARY 22
Wa-Ke Hatchee Recreation Center
16760 Bass Road, Fort Myers

Mon - Sat
10am - 5pm

PARTICIPATING AGENCIES

Lee County Human and Veteran Services
United Way
American Red Cross
The Salvation Army
Catholic Charities
Center for Progress and Excellence (Emotional Support)
Goodwill Industries of Southwest Florida
Lee County Tax Collector



Multi-Agency Resource Center



For transportation needs call 211



MARC Opened Jan 22 – Feb 1

- Volunteers- greeters and registration table
- Lee County Human and Veteran Services collected data for unmet needs survey
 - Collected data for 140 individuals
- Other organizations
 - Center for Progress and Excellence
 - The Salvation Army
 - The United Way
 - The American Red Cross
 - Jewish Federation of Children and Families
 - United Methodist Church
 - Florida Baptist Disaster Relief & Recovery
 - Catholic Charities
 - Florida Legal Services
 - Area Agency on Aging
 - Midwest Food Bank
 - Harry Chapin Food Bank
 - Florida Gulf Coast University
 - Lee County Human and Veteran Services
 - Goodwill JobLink
 - Lee County Tax Collector

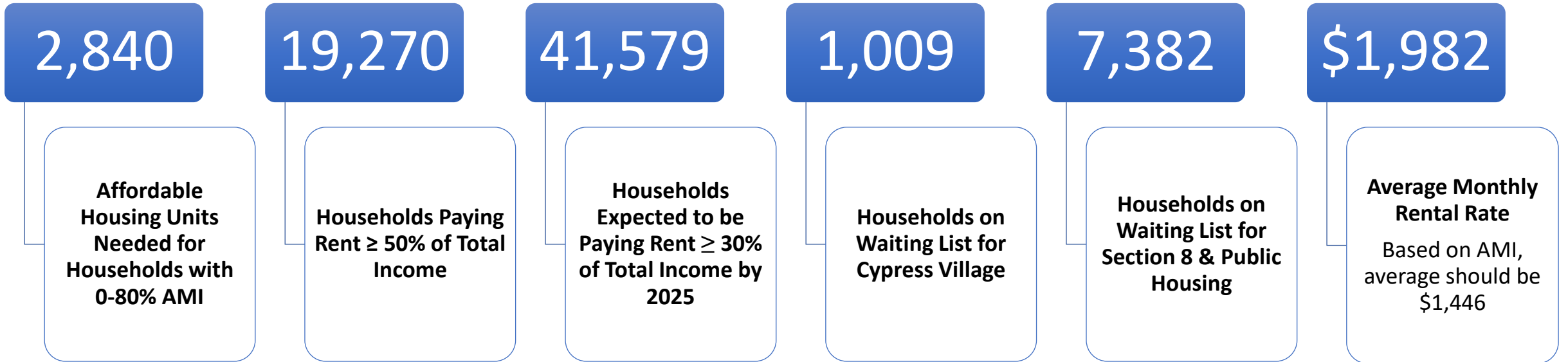


Assessment Tool

[Iona Tornado Long Term Recovery Intake Survey](#)

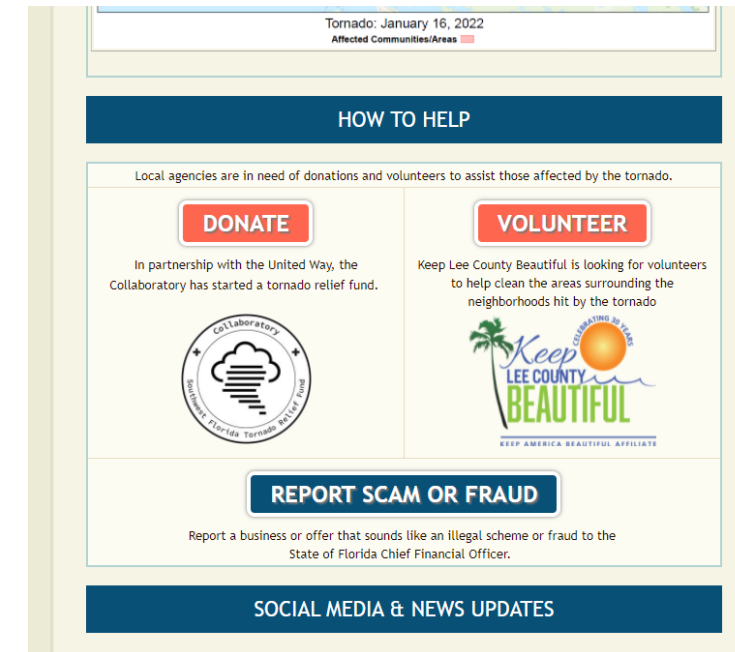
	Unmet Needs	Other Services	Release and Certific... Signed	Notes	Assistance Agency 1	Assistance Type 1
4	None	None	✓	Client cannot stay in the home. Client is insured currently. Client is	Goodwill	Goodwill Gift Card
5	None	Red Cross	✓	Materials is damaged, and roof/side of house is damaged. Do not k	HVS	LIHEAP
6	Groceries Debris Removal Spiritual Counseling	None	✓	Insurance will only pay so much for so long for a hotel. Payout will r	Salvation Army	No Assistance Needed
7	None	Red Cross	✓		United Way	Grocery Gift Cards
8	None	None	✓		HVS	LIHEAP
9	Minor Outdoor Repair	Red Cross	✓	Roof was more heavily damaged than she initially thought. Will nee		
10	Electrical Repairs due to damage from the storm Transportation Assistance Minor Outdoor Repair	Red Cross	✓	vehicle is totaled as car port fell on top of it, kitchen cabinets and in	Jewish Federati	Grocery Gift Cards
11	None	None	✓	Client is currently UN-insured. Client cannot live in the home. Client	HVS	Realtor Resource Link
12	Minor Outdoor Repair	Red Cross	✓	**	HVS	Realtor Resource Link
13	Replacement of Social Security Card or other vital documents Debris Removal	Red Cross	✓	65% of the home ripped right apart. Need help with the debris remc	HVS	LIHEAP
14	Prescription renewal Replacement of Social Security Card or other vital documents Groceries Air Conditioning Repair due to da	Red Cross United W	✓	no electricity (box got taken off), garage port got ripped off, the top	Jewish Federati	Grocery Gift Cards
15	Debris Removal Mental Health Counseling	None	✓	Client is currently living in the home. No insurance. Client needs as		
16	None	None	✓	Client is staying with friends. Client cannot live in the home. Client c		
17	None	None	✓			
18	Replacement of Social Security Card or other vital documents	Red Cross Other Co	✓	looking for fema		
19	Air Conditioning Repair due to damage from the storm	None	✓	unable to find contractors, flooring need from water damage, need r		
20	None	Red Cross	✓	Housing is the most important need right now.	United Way	
21	Groceries Electrical Repairs due to damage from the storm Transportation Assistance	None	✓	** Housing is an immediate	United Methodi	
22	Groceries Debris Removal	Red Cross	✓	Possible new home to rent in the new plaza. Old home is totaled. if	Jewish Federati	Grocery Gift Cards
23	Debris Removal Access to temporary power Mental Health Counseling	Red Cross Church o	✓	The home is unrepairable and will need to be removed. Stated it wi	Jewish Federati	Grocery Gift Cards
24	Replacement of Social Security Card or other vital documents Debris Removal	Red Cross	✓	none		
25	Replacement of Florida State ID or Florida Driver's License Replacement of Social Security Card or other vital documents Debris	Red Cross	✓	My home is not repairable and will not be able to sustain the curren		
26	Prescription renewal	None	✓	Client needs oxygen machine, hearing aids, insulin and diabetic su	United Way	
27	None	None	✓	Client cannot live in the home. Client owns the home without insura		

Lee County's Existing Housing Gaps



Funding

- Lee County
 - The Collaboratory and The United Way – Local Donations Website
 - Leveraging Partner Agency Resources
 - The Department of Economic Opportunities (DEO)
 - Low-Income Home Energy Assistance Program (LIHEAP)
 - Community Services Block Grant (CSBG)
- Governor's State Donations Portal & Charlotte County Community Foundation
 - Collecting donations for Lee and Charlotte Counties
 - Donations Collected through saferfl.com
 - CDR Maguire vetting applicants and getting \$ to them
- State Housing Initiatives Partnership (SHIP) grants



Southwest Florida Long Term Recovery Group

United Methodist Committee On Relief (UMCOR)

- Identify Unmet Needs (Smartsheet)
- Identify Funding Streams
- Care Coordination and Case Management
- Construction Management
- Volunteer Management
- Structured Committees
 - Executive
 - Volunteer Management
 - Communications
 - Donations Management
 - Emotional and Spiritual Care



Questions?

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