

Miami Dade Emergency Response Community

A Role for Cultural Heritage Organizations

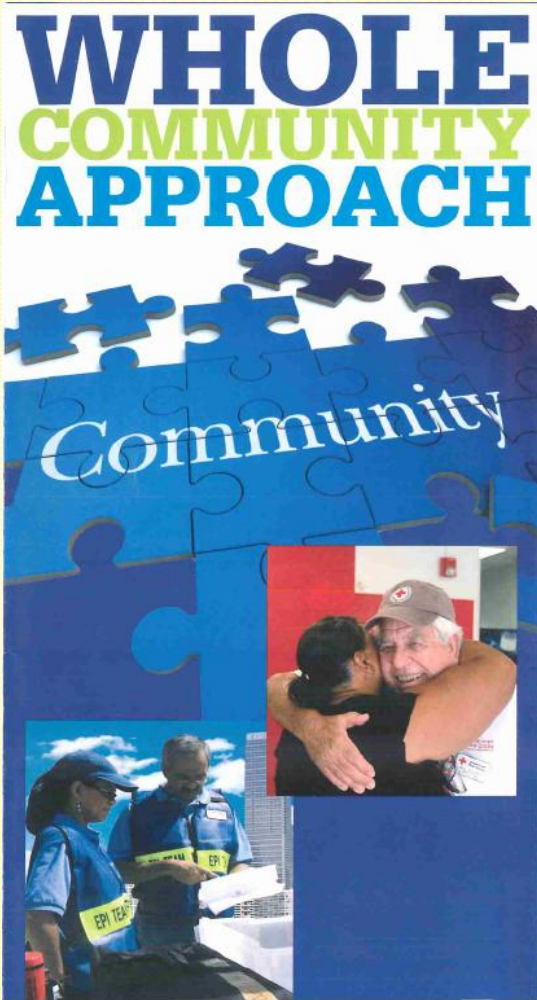
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Whole Community



- Communities Organized to Respond to Emergencies (CORE)
- Community Emergency Response Teams (CERT)
- Citizen Corps
- South Florida Disaster Resiliency (SFDR)
- Local Mitigation Strategy (LMS)

CORE

- Faith Based and Community Organizations
- Connecting them with Emergency Managers in blue sky times
- Assisting with
 - Sheltering
 - Mass Feeding
 - Volunteers and Donations Management
 - Mass Communications
 - Translation
 - Crisis Counseling/Spiritual Care
 - Warehousing



Community Emergency Response Teams

- Neighborhood, Community, Organization and Workplace Groups
- Integrated into Emergency Response in their areas
- Assisting with
 - Damage Assessment
 - Light Search and Rescue
 - First Aid
 - Fire Suppression



Citizen Corps

- Anyone in the Community
- Comprised of
 - Community Emergency Response Teams
 - Citizen's Crimewatch
 - Volunteers in Police Services (VIPS)
 - Medical Reserve Corps



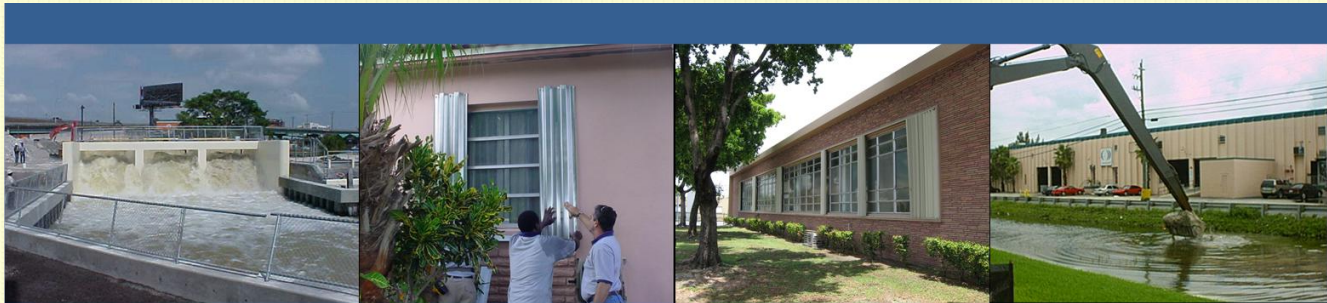
South Florida Disaster Resilience

- Business Community
- Collaborative approach for getting the community back to business
- Members receive notifications from county emergency management offices
- Benefits
 - Resource Sharing
 - Incident Information
 - Information Exchange
 - Trusted Network
 - State and National Recognition



Local Mitigation Strategy

- All Community Members
- Identification of Mitigation Measures throughout Community – over 1400 projects on list now
- Benefits
 - Networking
 - Education/Information
 - Access to Federal Funding through participation
 - Supports Community Rating System (CRS) Program



Know the Hazards/Your Risk

Hazard – Anything that can cause harm

NATURAL HAZARDS

- Hurricane & Tropical Storm
- Drought
- Flooding (Inland and Coastal)
- Tornado
- Windstorms
- Hailstorms
- Lightning
- Heavy Rain
- Extreme Heat
- Sinkholes/Erosion
- Tsunami
- Wildland Fire
- Severe Winter Weather (i.e. Winter Storm/Ice Storm)
- Extreme Cold/Freeze
- Volcano (i.e. Ash, Dust)
- Earthquake
- Space (i.e. Meteorites, Solar Flares)

TECHNOLOGICAL HAZARDS

- Hazardous Materials Release
- Dam Failure/Levee/Dike
- Structural Fires
- Transportation Incident (i.e. Highway and/or Rail Incident)
- Contaminated Water Incident
- Electric Utility Failure
- Mass Migration

CRIME/TERRORISM HAZARDS

- Terrorism
- Bomb Threat Incident
- Civil Disobedience/Civil Unrest
- Cyber-Security Incident

PUBLIC HEALTH HAZARDS

- Animal and Plant Disease Outbreak
- Food Borne Illness Incident
- Meningitis
- Plague
- Anthrax
- Pandemic/Epidemic
- Water Contamination

Risk – Probability it will impact you

Probability		Consequence							OVERALL RISK SCORE
Hazards	Frequency & Probability	Potential Magnitude & Scale	Impact Analysis			Capabilities & Capacity	Mitigation	Hazard Consequence & Impact Score	
			Social Vulnerabilities Hazard Impact Rating	Physical Vulnerabilities Hazard Impact Rating	Community Conditions Impact Rating				
Natural Hazards									
Droughts	38%	38%	15%	28%	39%	82%	70%	40%	38%
Extreme Cold	17%	11%	15%	28%	34%	82%	67%	32%	23%
Extreme Heat	75%	16%	15%	41%	34%	82%	58%	38%	82%
Flooding	50%	27%	38%	53%	52%	88%	96%	53%	51%
Hailstorms	69%	18%	24%	28%	51%	82%	50%	41%	53%
Heavy Rain	50%	9%	32%	28%	32%	88%	96%	35%	42%
Hurricanes & Tropical Storms	69%	64%	58%	66%	64%	83%	58%	75%	72%
Lightning	75%	18%	15%	28%	29%	82%	96%	32%	48%
Winter Weather / Ice	5%	16%	15%	37%	35%	82%	75%	35%	13%
Sinkholes / Erosion	50%	13%	38%	28%	41%	82%	50%	41%	45%
Space	1%	7%	23%	28%	29%	88%	N/A	28%	5%
Tornadoes	44%	20%	42%	53%	53%	88%	75%	53%	48%
Tsunami	13%	24%	24%	37%	38%	88%	25%	45%	24%
Volcano (Ash)	1%	4%	15%	37%	32%	85%	N/A	28%	5%

History of Art Losses



1998 Swiss Air plane crash
Pablo Picasso "The Painter"
\$ 1.5 Million



2004 Fire Momart
warehouse –
50 works of art
£30-40 Million

Tracey Emin's work
"The Last Thing I Said is
Don't Leave Me Here"



Minimizing the Risk

- Plan for it in advance
- Determine what can be done
 - Move it
 - Secure it
 - Protect it
 - Insure/Ensure it
- Resources on line
 - Heritage Preservation
 - FEMA
 - National Center for Preservation Technology and Training has an App - member



Before and After Disasters

Federal Funding for Cultural Institutions

FEMA 533/September 2005



FEMA

Heritage Preservation



NATIONAL
ENDOWMENT
FOR THE ARTS

Minimizing the Risk



- **Continuity of Operations Plan**

- Identify critical components
- Prioritize
- Implement

- **Mitigation Plan**

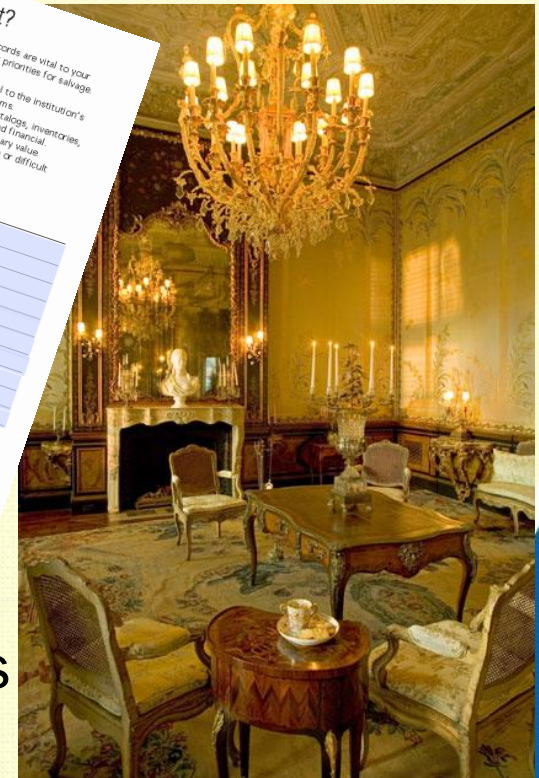
- Structure – hardening
- Systems – generators/raising HVAC
- Financial – Business Interruption/losses

What Do I Save First?
Decide which objects, collections, and records are vital to your organization. There should be the highest priorities for salvage.
For example:

- Objects and collections that are central to the institution's mandate, mission, services, and programs
- Essential records—bibliographic card catalogs, inventories, electronic storage devices, personnel, and financial
- Items of high historic, scholarly, or monetary value
- Objects and collections that are impossible or difficult to replace

Collections Priorities	
Object/Collection	Location
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Data Recovery Priorities		
Date	Location	Contact and Phone
1		
2		

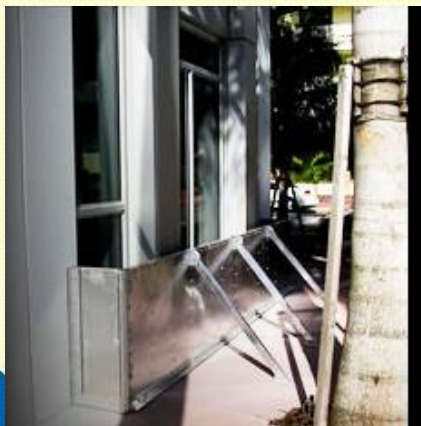


Minimizing the Risk

- Protective Equipment /Redundancy
 - Heat/Humidity Control
 - Protection from elements
 - Fire Suppression
 - Impact Windows
 - Flood Barriers
 - Vault

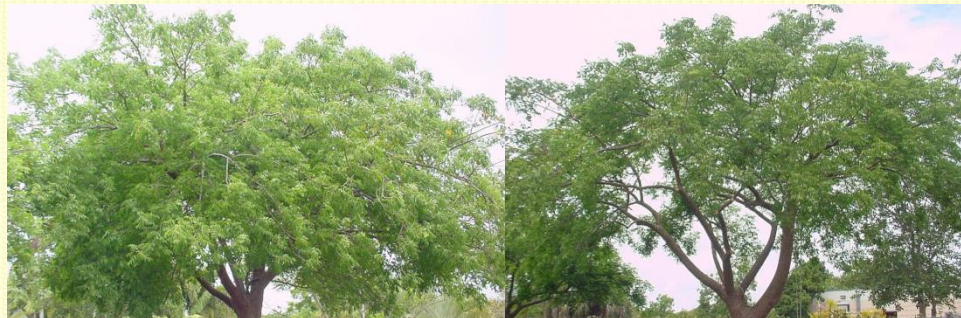
Type of Object	%RH	Degrees in Farenheit
Furniture	45 - 55%	68 - 72°
Paintings and Paper		
Textiles		
Objects		

Object Materials	Deterioration	Primary air pollutants	Factors accelerating damage
Metals	corrosion/tarnishing	sulfur oxides, hydrogen sulfide, and other acidic gases	water, oxygen, salts
Stone	surface erosion, discoloration	sulfur oxides and other acidic gases, particulates	water, temp fluctuations, salts, vibration, microorganisms, carbon dioxide
Paint	surface erosion, discoloration	sulfur oxides, hydrogen sulfide, ozone, particulates	water, sunlight, microorganisms
Textile dyes and pigments	fading, color change	nitrogen oxides, ozone	sunlight, water
Textiles	weakened fibers, abrasion, soiling	sulfur oxides, nitrogen oxides, particulates (dust)	water, sunlight, mechanical wear
Paper	embrittlement	sulfur oxides	moisture, mechanical wear
Leather	weakening, powdered surface	sulfur oxides	mechanical wear
Ceramics	damaged surface	acid gases	moisture



Minimizing the Risk

- Insure /Ensure It
 - Document and catalog
 - Duplicate to another medium
 - Cover business interruption – financial losses
 - Offset costs of restoration/reparation
 - Trees – pruning to minimize wind damage
 - Mutual Aid
 - Know what assistance could be available



Questions

