



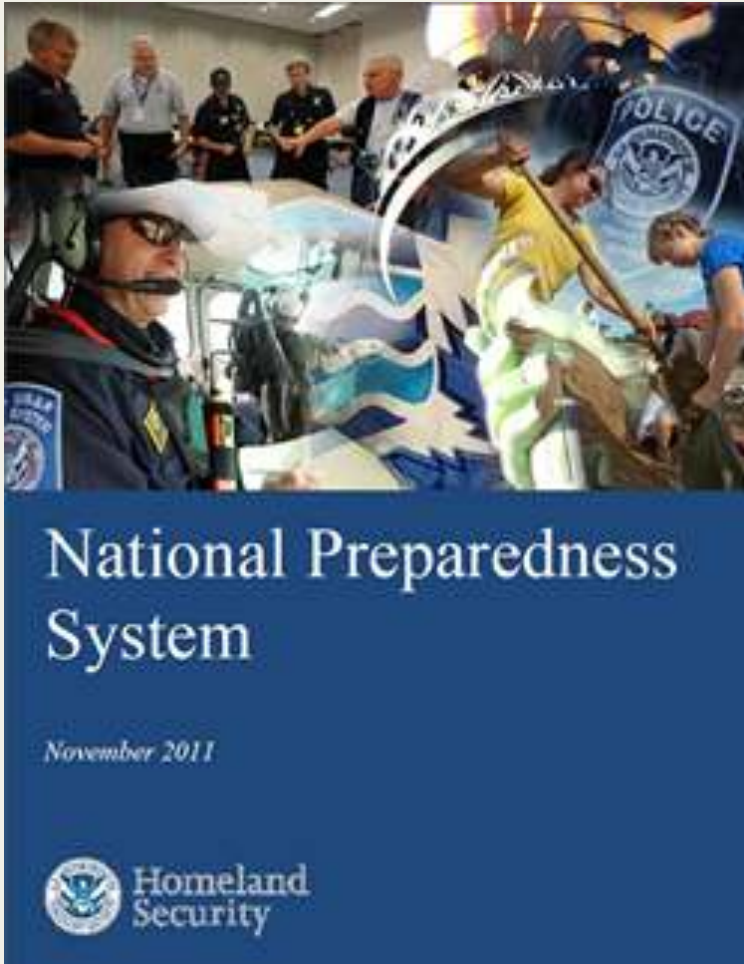
Enhanced Local Mitigation Strategy (ELMS): A Regional Approach to Mitigation Planning with the Whole Community

Presented to:

**Southeast Florida Regional Climate Summit
Jupiter, Florida**

December 6, 2012

Presidential Policy Directive PPD-8



- The purpose of the NPS is to describe the efforts for how the nation plans to "build, sustain and deliver" the core capabilities necessary to fulfill the National Preparedness Goal.
- NPS is the Nation's instrument for achieving the goal of a "secure and resilient Nation."

Mitigation within PPD-8



- The Framework requires FEMA to weave mitigation throughout the National Preparedness System.

“the unrelenting pursuit of risk informed decisions and actions that increase resiliency”

Mitigation

Reducing the loss of life and property
by lessening the impact of disasters

Recovery
Putting a community
back together after a
disaster



Preparedness
Getting people and
equipment ready to
quickly and
effectively respond
to a disaster before
it happens

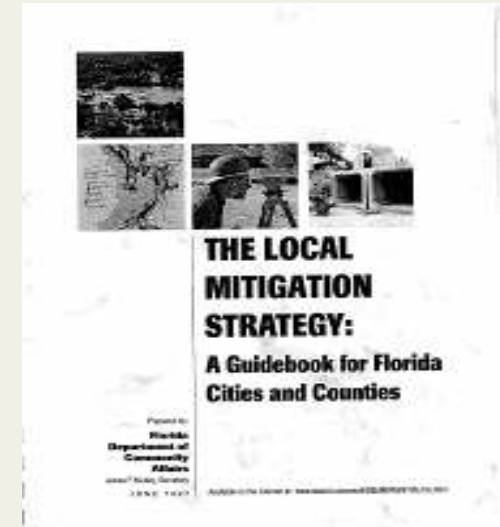
Response
Saving life and property
during and immediately
after a disaster

The Local Mitigation Strategy

- Required by 44 CFR § 201.6 for federal mitigation dollars
- Must be renewed and updated every 5 years
- Requires a risk and vulnerability analysis
- End result is a list of goals to achieve and **mitigation** projects to complete
- One of the most successful ways to identify **mitigation** projects and bring people together for a common cause

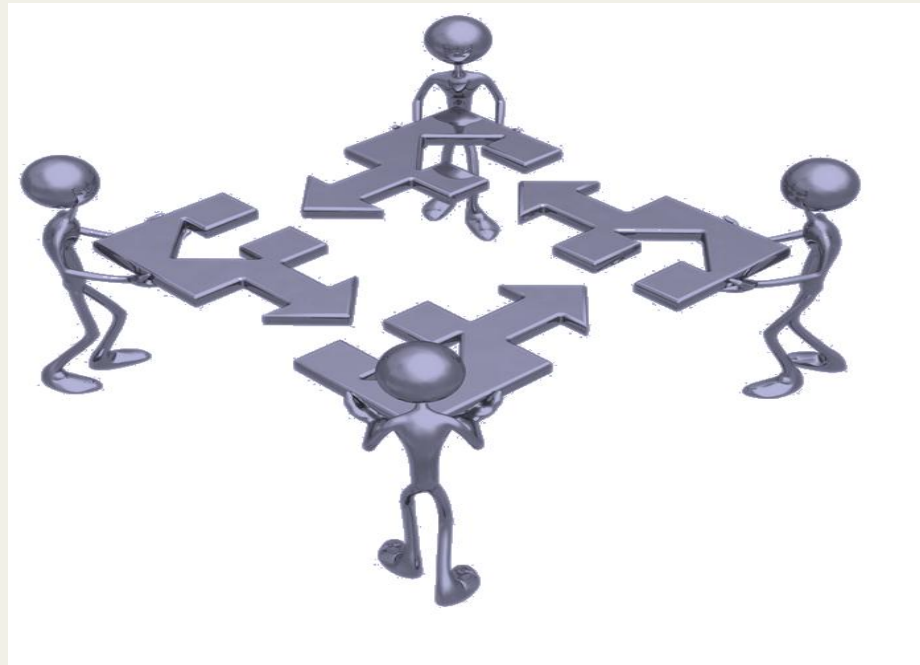
Florida LMS Program

- Launched in 1998
- \$9M statewide program
- Multi-jurisdictional plans
- Emphasis on mitigation projects
 - Pre-identified, structural projects for hazard mitigation grant funding were to be determined by consensus of a local, countywide LMS task force.



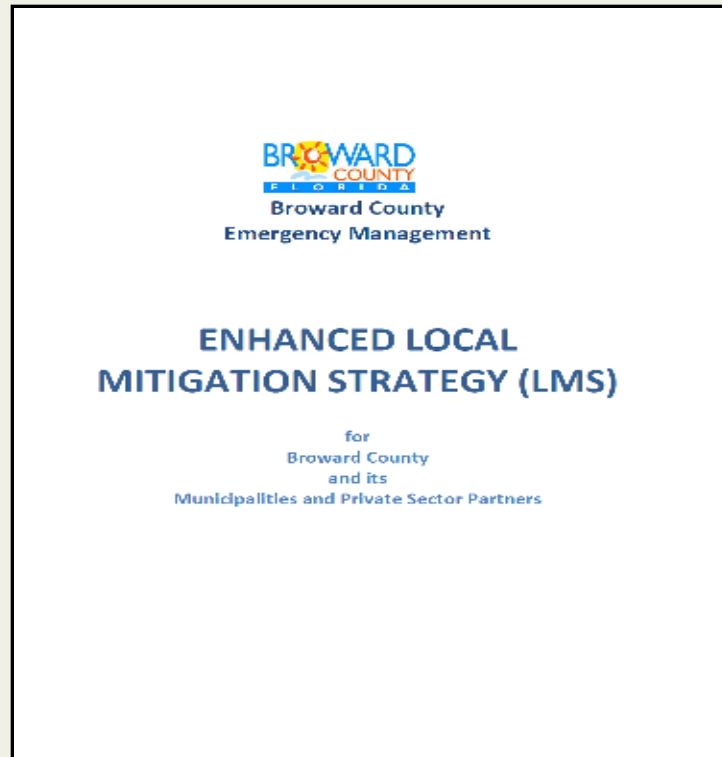
The Multi-Hazard Mitigation Plan

... A comprehensive plan to reduce a community's risk and exposure to disasters



Introduction to the Broward County Enhanced LMS

First Enhanced LMS in the State!



ELMS Project Development

- Secured Pre-Disaster Mitigation Grant funding
- Contractor support provided by URS Corporation
- Project Management led by Broward County Emergency Management staff
- Established LMS Executive Committee and Working Group to guide planning process
- Engagement of Whole Community Stakeholders accomplished through workshops, webinars, surveys and online SharePoint collaboration tools
- Synchronize efforts with other community planning initiatives

Planning Process – Key Steps

- Risk Assessment
 - Hazard identification and analysis
 - Vulnerability assessment
- Capability Assessment
- Mitigation Strategy
 - Goals and objectives
 - Specific mitigation actions/projects
- Plan Maintenance Procedures
- Adoption and Implementation

ELMS Plan

- Chapter 1 – Introduction
- Chapter 2 – Broward County Profile
- Chapter 3 – Planning process
- Chapter 4 – Risk Assessment*
- Chapter 5 – Economic Vulnerability**
- Chapter 6 – Mitigation Initiatives
- Chapter 7 – Plan Maintenance

**Sea Level Rise/Climate Change added*

**THIRA (Future)*

***New Chapter 2012*

What's New?

Enhancements and Updates to Risk Assessment:

- Updated risk and hazard profile information for hazards impacting Broward County
- Preparation of new sea level rise subsection that depicts in maps the parts of Broward County impacted by different sea level rise scenarios and loss estimations
- Preparation of new Economic Vulnerability Chapter which has loss estimates and potential impacts from high wind and flooding in key economic areas in Broward County
- Preparation of new Housing Vulnerability appendix

What's New?

Enhancements to Mitigation Strategy:

- Integration with Broward County Climate Change Task Force to identify overlapping opportunities
- Initial steps taken to better integrate with other community planning processes to determine areas of mutual interest
- More robust participation by businesses and private sector in mitigation planning process
- Revised project prioritization criteria that emphasizes elements critical to FEMA mitigation grant program eligibility
- Advanced integration with the County's Long Term Recovery and Redevelopment Strategic Framework

What's New?

Benefits for Participation in Mitigation Program:

- Adherence to Emergency Management Accreditation Program (EMAP) mitigation standards
- Compliance with new DMA 2000 plan review standards
- Adherence to draft State enhanced LMS guidelines
- Conformance with Department of Homeland Security (DHS) Presidential Policy Directive-8 (PPD-8) National Preparedness System mitigation core capabilities
- Leverage the ELMS plan and planning process to bolster cooperation amongst existing CRS programs in Broward County to implement CRS activities and accrue more credit points which can eventually lead to discounts for flood policyholders

Keys to Success

- The local champion
- Executive level support
- Continuous stakeholder involvement
 - Public outreach and participation
 - Creative partnerships
- Multi-objective strategies or projects
- Creating, branding and marketing the “mitigation ethic”
- Leverage funding resources and sustain effort



What makes a *good* mitigation plan?

- Process vs. Product
 - “Plans are worthless. Planning is essential.”
 - Dwight D. Eisenhower
- Specific measurable actions
 - Holistic approach includes projects AND policies AND programs
- Implementation mechanisms
- Routine monitoring and updating
- Integration with other community initiatives/plans
- Effectively applied following disaster events

Challenges

- Local capability and coordination
 - Technical
 - Fiscal
 - Administrative
 - Political
 - Legal
- Risk perception / complacency
- Competing interests
- Prescriptive plan review & approval process

Next Steps . . .

- Draft ELMS Plan recently reviewed and approved by State DEM and FEMA Region 4
- Public Meeting scheduled Wednesday, December 12th at 9:00 AM at the Broward Emergency Operations Center
- Approved Plan will be sent to BOCC for adoption early next year (Jan/Feb)
- All local jurisdictions will also adopt
- Plan will be approved for 5-years with annual updates
- Continue integration of efforts with County and Regional Climate Change Action Plans

Opportunities for Collaboration/ Partnerships

- Encourage the inclusion of the emergency management community in regional, state, and local climate change adaptation planning processes
- Adapt current disaster mitigation strategies to the anticipated short-, medium-, and long-term impacts of climate change
- Coordinate with regional, state, and local climate change-adaptation planning groups to support the Hazard Identification and Risk Assessment process and to develop regional disaster mitigation strategies
- Incorporate information on the effects of climate change into existing community preparedness campaigns

Broward Courthouse Retrofit Impact Resistant Glass

Funded by Pre-Disaster Mitigation Grant in 2004.
Federal Share of project: \$728,512.



Sunrise Senior Center Perforated Panels and Screens

Funded by HMGP after Hurricane Katrina



Ft. Lauderdale Police Department Elevated Electrical Room

Funded under HMGP after Hurricane Wilma



Water Control Structure

Drainage Project

funded under HMGP after Hurricane Wilma





Enhanced Local Mitigation Strategy (ELMS):
A Regional Approach to Mitigation Planning with
the Whole Community

Miguel Ascarrunz, MPA, FPEM
Assistant Director
Broward Emergency Management Division
954-831-3908
mascarrunz@broward.org