Evolution of Response and Recovery

Emergency Management Pendulum

Hurricane Andrew  September 11, 2001  Hurricane Katrina
August 24, 1992  September 11, 2001  August 18, 2005

Cold War Threats to All Hazards  Terrorism  All Hazards

Moving Forward: Integrated Response and Recovery Efforts are Imperative
Climate and Weather Disasters Are Not Just Coastal Problems

Billion Dollar Climate and Weather Disasters 1980 - 2010*

NUMBER OF EVENTS

<table>
<thead>
<tr>
<th>31 - 35</th>
<th>26 - 30</th>
<th>21 - 25</th>
<th>16 - 20</th>
<th>13 - 15</th>
<th>10 - 12</th>
<th>7 - 9</th>
<th>4 - 6</th>
<th>1 - 3</th>
</tr>
</thead>
</table>

*Numbers represent the frequency of billion-dollar climate and weather disasters in each state from 1980 to 2010.
Disaster Trends

Billion Dollar U.S. Weather/Climate Disasters
1980 - August 2011

- Actual damage amounts at the time of the event
- Damage amounts adjusted to 2011 using the Consumer Price Index (CPI)
- Number of events per year that exceed a cost of 1 billion dollars in damages

* This damage amount does not take into account the losses from Hurricane Irene

NOAA/NESDIS/NCDC

NCDC, Property Claim Services (PCS)
Hurricane Katrina Challenges and Lessons Learned

Hurricane Katrina Critical Challenges
1. National Preparedness
2. Integrated Use of Military Capabilities
3. Communications
4. Logistics and Evaluations
5. Search and Rescue
6. Public Safety and Security
7. Public Health and Medical Center
8. Human Services
9. Mass Care and Housing
10. Public Communications
11. Critical Infrastructure and Impact Assessment
12. Environmental Hazards and Debris Removal
13. Foreign Assistance
14. Non-Governmental Aid
15. Training, Exercises, and Lessons Learned
16. Homeland Security Professional Development and Education
17. Citizen and Community Preparedness

PKEMRA
Post Katrina Emergency Reform Act (PKEMRA)
October 4, 2006
Response and Recovery Today

- More Proactive
- More Effective at Managing Expectations
- Return to “All Hazards Approach”
- Engaging All Players as Partners
  - State and Local Government
  - Private Sector
  - Civic Organizations
  - PNP’s and other Faith Based Groups
  - Media and Social Networks
“This directive is aimed at strengthening the security and resilience of the United States through systematic preparation for the threats that pose the greatest risk to the security of the Nation, including acts of terrorism, cyber attacks, pandemics, and catastrophic natural disasters”
The Path Forward: National Response Framework January 2008

Reflects lessons learned and defines the core principles for managing incidents

Broadens the focus from a purely Federal plan to one that is truly national

Articulates the five key principles of response doctrine

Methodically describes the who, what and how of emergency preparedness and response

The National Response Framework Defines:
The National Disaster Recovery Framework Defines:

| Core Recovery Principles | Roles and Responsibilities of Recovery Coordinators and Other Stakeholders | Coordinating Structure that Facilitates Communication and Collaboration Among all Stakeholders | Guidance for Pre- and Post-Disaster Recovery Planning | Overall Process by which Communities can Capitalize on Opportunities to Rebuild Stronger, Smarter, and Safer |
The Path Forward: Whole Community Approach

Is Response and Recovery a National Priority?

- Identify Community Capabilities and Needs
- Foster Relationships with Community Leaders
- Empower Local Action
- Build and Maintain Partnerships

**Whole Community Approach**

A Whole Community Approach yields “...better informed and shared understanding of community needs and capabilities and an increase of resources through the empowerment of community members, including individuals, businesses, government agencies, and NGO’s.”
Challenges of the Future

Is “All Hazards” Response and Recovery a National Priority?

- Funding
- Resources
- Focus
- Resist the “Single Focus Pendulum Effect”

How to Make “All Hazards Response and Recovery a National Priority?

- Federal and State Guidance
- “All Hazard” Grant Funding
- Whole Community Approach
  - Whole Community Training
  - Whole Community Exercises
When disaster strikes, how will YOU and YOUR Community survive?