Resilience through Integrated Planning

James C. Schwab, AICP
Manager, Hazards Planning Research Center
American Planning Association

HUD Region 5 Sustainable Communities
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Disaster Mitigation Act of 2000

• Amended Stafford Act (1988) to require states, tribes, and local governments to prepare hazard mitigation plans as condition of receiving federal mitigation grants
• FEMA promulgated regulations by 2003 stipulating its expectations for approving plans
• To date, more than 20,000 jurisdictions have approved plans in place
• Questions:
  • Who prepares them?
  • What level of plan quality is demanded?
  • How do they relate to other community goals?
Post-Katrina: Defining the Problem

- Most affected communities along Gulf Coast lack approved plans, including New Orleans
- Plans remain primarily prepared by emergency managers with little or no planning input
- Preparation largely motivated by dollars rather than public policy
- Consequent lack of integration with other community planning and lack of implementation
Integration of Local Hazard Mitigation Plan with California’s Required Safety Element

Source: Boswell et al., 2008
Local Hazard Mitigation Plan Preparers in California

Source: Boswell et al., 2008
Red: States Mandating Local Comprehensive Plans

Blue: States Requiring Hazards Element in Local Plans*

*CO & MT do not require local comprehensive plans.
APA Solution in PAS 560

• Coordination on LHMPs between emergency managers, planners, and allied professionals & stakeholders
• Thorough integration of mitigation priorities into all aspects of the local planning process
  • Visioning and goal setting
  • All types of plan making (incl. comprehensive)
  • Implementation tools (e.g., zoning, subdivision)
  • Development work (site plan review, etc.)
  • Capital improvements programming
• Safe Growth Audit for local policies and ordinances
• Highlighted case studies for best practices
Post-Disaster Recovery: Next Generation

- Existing document 15 years old
- Need for new guidance became manifest after Hurricane Katrina
- Update teaching/training resources
- Stakes are higher and climbing
- Growing need to involve planners in the conversation about recovery
Rationale for new “Green Book”

1) Disaster Mitigation Act of 2000
2) ESF-14 (subsequently NDRF)
3) FEMA within Homeland Security
4) Lessons of Hurricane Katrina
5) Map Modernization and RiskMap
6) Florida Requirements (no longer required)
7) Climate change
8) Emergence of Web-based technology
9) National Disaster Recovery Framework
New Project, New Features

- Recovery News multimedia blog (http://blogs.planning.org/postdisaster/)
- Online case studies (still under development)
- Updated model recovery ordinance
- More extensive outreach efforts
- PAS Report due late 2014
- Potential derivative products
The October Surprise (2012)

• APA involvement in post-Sandy recovery: https://www.planning.org/sandy/
• Recovery training workshops held in NY/NJ first week in April 2013
What We Learned from Sandy

- Growing value of resilience in community building
  - Rebuild by Design competition
  - HUD policy initiatives regarding CDBG-DR
  - National resilience competition
- Value of incorporating climate change data into current and future planning
- Increasing emphasis in Hurricane Sandy Rebuilding Task Force report on green infrastructure
Cedar Rapids: Flood debris in neighborhoods near downtown
Above photos and statistics below from CedarRapidsFloodStory.com

City Hall at Mays Island
Cedar Rapids 2008 Flood Statistics

Flood Magnitude
- 31.12 feet - Crest of Cedar River on Friday, June 13, 2008
- More than 10 square miles (14%) of the City.
- More than 80,000 tons of debris collected and removed
- Amazingly no flood-related deaths

People
- 18,623 estimated persons in flood-impacted area
- 120 families in flood areas receiving Section 8 housing assistance
- 1,360 estimated job losses as a result of the flood
- More than 57,218 flood recovery-related volunteer hours donated

Property
- 7,198 affected parcels (5,390 residential)
- $2.4 billion estimated cost in damage to public infrastructure and future flood management options
- As many as 1,500 properties will be demolished
- 86 farms in Linn County damaged
Cedar Rapids 2008 Flood Statistics

Impacted Facilities
• City of Cedar Rapids:
  • City Hall, Jail, Municipal Court Facilities, Central Fire, Central Library, and the Police HQ completely flooded and displaced
  • Ground Transportation, municipal city transportation hub, completely displaced
  • 3 of 4 city collector wells and 46 vertical wells disabled
• Linn County
  • 10 damaged Linn County Buildings, including: Administrative Office Building (AOB), Correctional Center, Options of Linn County, AOB Annex, Elections Depot, Sheriff’s Office, County Courthouse, Mott Building, Witwer Building and Youth Shelter
  • 486 property tax exempt facilities (govt., schools, churches, Red Cross etc.)
  • 136 other (utilities and railroads etc...)
Our Flood Recovery Needs

- Federal Funding – To accomplish all of the components of this plan, the City needs approximately $3 billion in state and federal funding.
- Public Participation – Thank you for participating in the development of the Flood Management Plan, for permanent floodwalls and levees along the Cedar River, and the Neighborhood Reinvestment Plan, for rebuilding our flood-damaged neighborhoods. The City needs your input as we develop a plan to rebuild and replace flood-damaged community facilities. Please participate in the open houses during the summer of 2009.
- Community Partnerships – The City has built strong partnerships with community organizations so that we can solve our community’s problems together. These local partners include neighborhood associations, the chamber of commerce, the downtown district, nonprofit organizations, landlords, small business owners and many more.

How You Can Help

1. Participate in one of the City’s public meetings and open houses
2. Volunteer to help rebuild houses in our community
3. Donate money to local nonprofit organizations that help flood survivors
4. Contact your state and federal legislators and ask for support of our flood recovery efforts
5. Share your ideas and solutions with us by calling (319) 286-5080 or email us at citymanager@cedar-rapids.org

More than 1,400 community members participated in the Neighborhood Planning Process, volunteering more than 6,000 hours of planning time.

THE CEDAR RAPIDS CITY COUNCIL
Left to right: Kris Culick, Justin Shields, Mayor Kay Halloran, Tom Podzimek, Mayor Pro Tem Brian Fagan, Pat Shey, Monica Vernon, Jerry McGrane, and Chuck Wiemecke.

The Vision for Cedar Rapids Flood Recovery

Building a Greater Community

Dear Community Members,

We are in the midst of the greatest reinvestment and rebuilding effort in Cedar Rapids’ history. As your City Council, we have developed a long term flood recovery plan focused on our City’s vision:

“Cedar Rapids is a vibrant urban hometown — a beacon for people and businesses invested in building a greater community for the next generation.”

Throughout the first year of our recovery, we gathered and implemented your feedback to develop a comprehensive three-part plan for building a greater Cedar Rapids:

1. Improve Flood Protection
2. Reinvest in Housing, Businesses & Neighborhoods
3. Rebuild Public Facilities

Your input will continue to be important as this plan evolves over the next fifteen years of our recovery. We are confident in the future of our community, and we thank you for supporting our efforts to create a vibrant urban hometown.

– Mayor Kay Halloran, Mayor Pro Tem Brian Fagan, Kris Culick, Jerry McGrane, Tom Podzimek, Pat Shey, Justin Shields, Monica Vernon and Chuck Wiemecke

Click here for APA video
Cornerstones to Resilience

Blog post on Recovery News by Jim Prosser, July 28, 2011

- Vision
- Community engagement
- Relationships
- Systems management

Key Takeaways from Next Generation Report

• Relationship of resilient governance and social capital to effective post-disaster recovery
• Distinctions between pre- and post-disaster recovery planning and the value of preparation through advance planning
• Why the scale and spectrum of damages matter in anticipating recovery needs
• The overarching importance of community vision
• Planners’ role in shaping local plans for post-disaster recovery
Contact Information

Jim Schwab, AICP, Manager
APA Hazards Planning Research Center
205 N. Michigan Ave., Suite 1200
Chicago IL 60601
312-786-6364
http://www.planning.org/nationalcenters/hazards/index.htm
Jschwab@planning.org