

South Carolina Earthquake and Hazard Mitigation



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Outline

- Introduction
- SC Earthquake Mitigation History
- Identify the Mitigation Needs of SC
- Anticipating Challenges



Outline (continued)

- Role of the Earthquake Program Manager
- Earthquake Mitigation Projects
- Building and Maintaining Partnerships
- Conclusion

Introduction



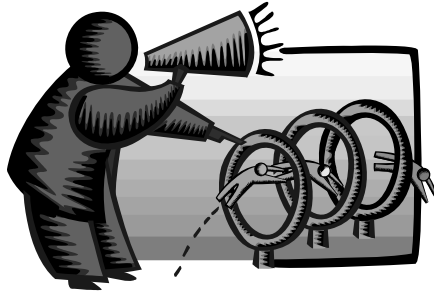


Earthquake Mitigation Background

- Hurricane Hugo
 - Mitigation funds provided opportunities to rebuild and sustain; but very little awareness and education on the subject.
- 1995 - FEMA changing view
 - James Lee Witt believed that mitigation was the cornerstone to saving lives and property.
 - More funding became available to do Earthquake Mitigation Projects.



Identify Mitigation Needs



- Stop the disaster-build-disaster-cycle and build safer homes, schools, and work places.
- Change the perception of the emergency management community.



Identify Mitigation Needs (continued)

- Understand the State's earthquake risk and vulnerability to prepare the earthquake element of the State Emergency Operations Plan.
- Conduct earthquake awareness and education outreach with the public.



Challenges

- Introducing “Mitigation” to the community.
- Finding partners for the buy-in.
- Understanding the earthquake risk.
- Updating the Earthquake Appendix.

Every mitigation need identified had a challenge.

Hazard Mitigation and the Role of the Earthquake Program Manager



- Collaborate with technical advisors at the federal, state, and academic levels in earthquake hazard mitigation.
- Facilitate and participate in planning efforts of selected state and local agencies for earthquake mitigation.



Hazard Mitigation and the Role of the Earthquake Program Manager (continued)



- Build partnerships to achieve success.
- Serve as a conduit to get the right people together.
- Prepare list of earthquake mitigation projects.

Hazard Mitigation and the Role of the Earthquake Program Manager (continued)

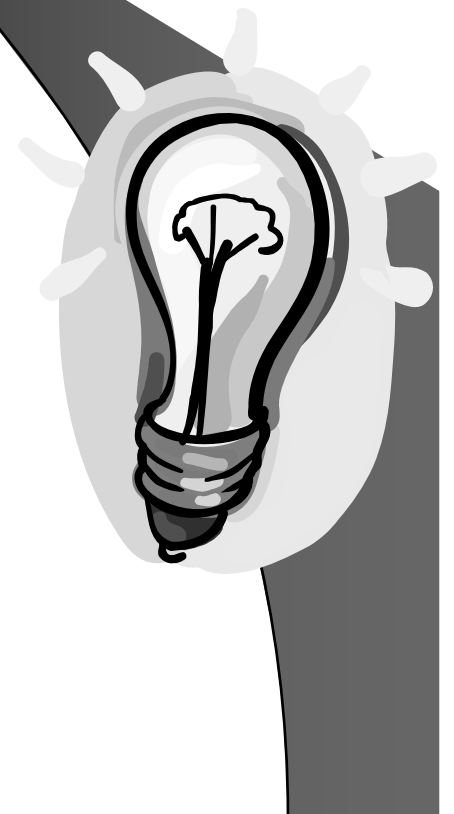


- Piggyback earthquake mitigation projects with other disasters mitigation projects.
- Seek help from other professionals.
- Listen.



Earthquake Mitigation Projects

- Public Awareness Tools
 - Brochures
 - Video Tapes
 - Buttons/Stickers with a message
- Catalog of Earthquake Occurrences from 1800 – 1995





Earthquake Mitigation Projects (continued)

- 113 Calhoun Street: A Center for Sustainable Living.
 - Public-Private-Academic Partnership
 - Conduct educational programs to help minimize threats from natural disasters
 - Develops low-cost tools and techniques, educational activities, and technical assistance



Earthquake Mitigation Projects (continued)

- Training Workshops for School Engineers and Architects.
- Retrofit of Emergency Operations Centers.
- SC Seismic Study.
- Hazard Mitigation Workshops.



Earthquake Mitigation Projects (continued)

- Seismic Retrofit of State House.
- Seismic Map.
- Projects that aid Mitigation
 - Earthquake Exercises
 - Tabletop
 - Full Scale
 - Updated SC Earthquake Plan



Building Partnerships

- Build relationships with various agencies serving the local community such as libraries, schools, fire departments, etc.
- Participate on committees.
- Deliver presentations.
- Share in cost.





Building Partnerships (continued)

- Network with groups with the same vision.
- Network with local and national representatives.
- Stay involve in the project.
- Be willing to help with other projects.

Partners



- Earthquake Education Center, Charleston Southern University.
- SC Seismic Network, Univ. of SC.
- Clemson University.
- College of Charleston.
- Insurance News Organization.





Partners (continued)

- Private Companies (utilities)
- Volunteer Groups
- State Agencies
- Local emergency response agencies i.e. emergency management, fire departments, schools, hospitals, etc.
- Various Associations



Maintaining Partnerships

- Stay involved.
- Take the initiatives following a disaster.
- Be willing to provide financial support.
- Be willing to help.
- Learn from others.





Summary

- SC Earthquake Mitigation Background
- Identify the Mitigation Needs of SC
- Anticipating Challenges
- Role of the Earthquake Program Manager
- Earthquake Mitigation Projects
- Building and Maintaining Partnerships



Conclusion

- Successful earthquake mitigation projects take teamwork and dedication.
- Awareness of how and with whom to coordinate helps.
- Finding the right hook or right project will lead to success.