
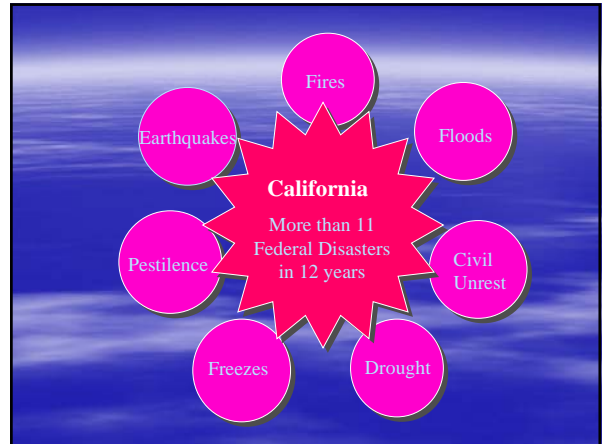


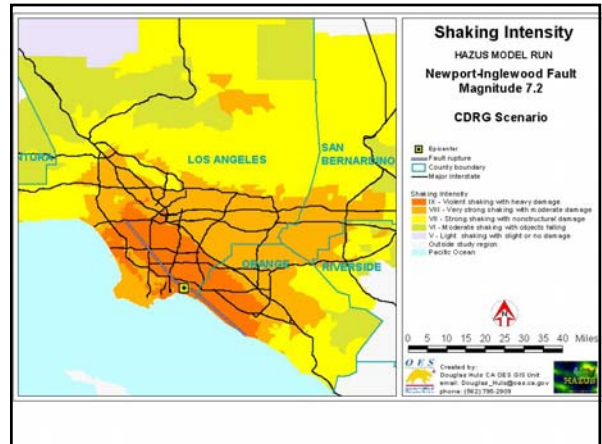
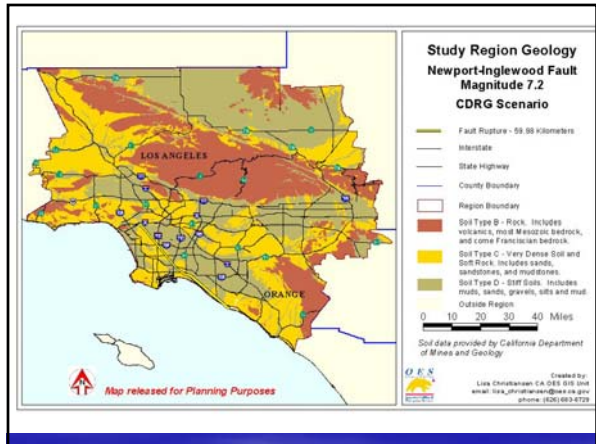
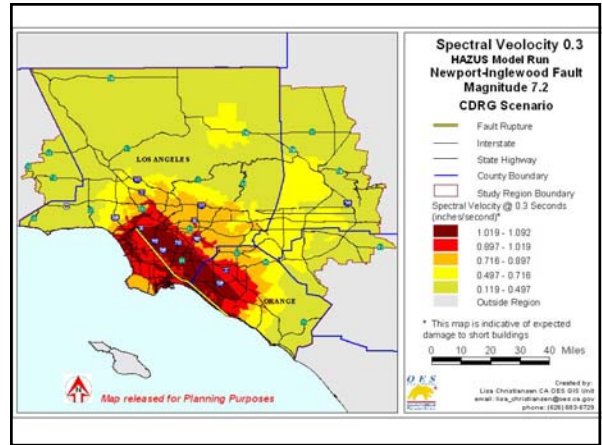
Catastrophic Disaster Response

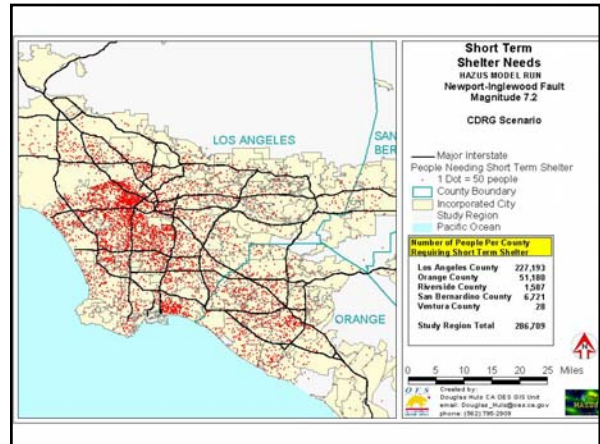
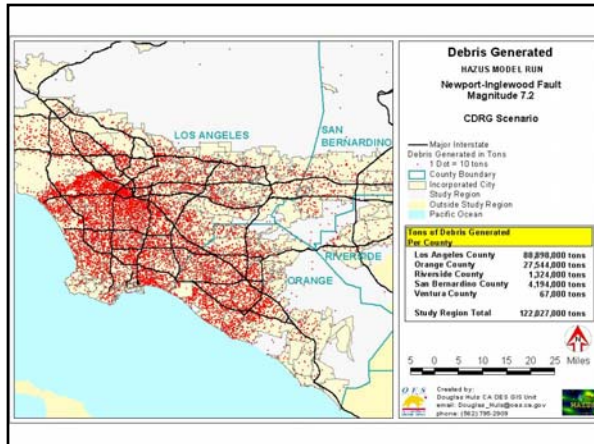
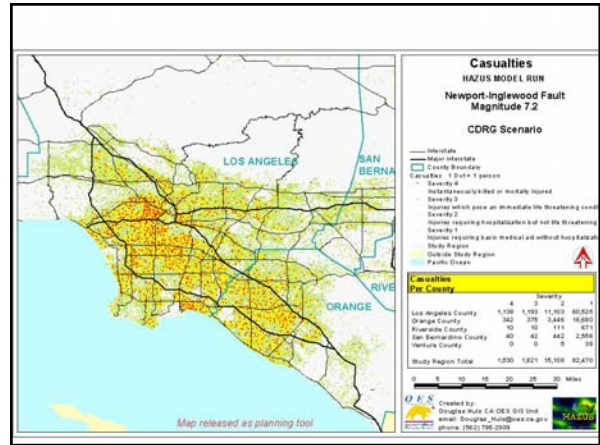
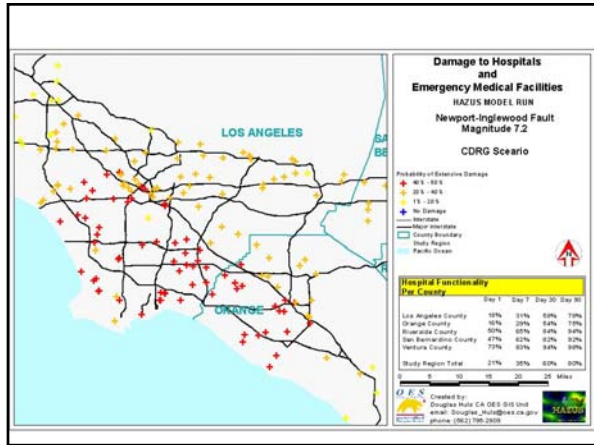


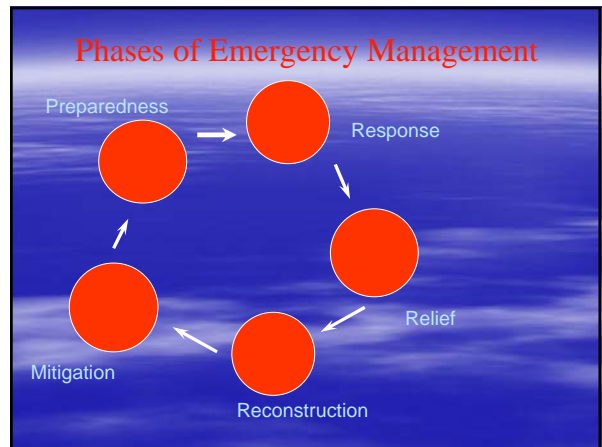
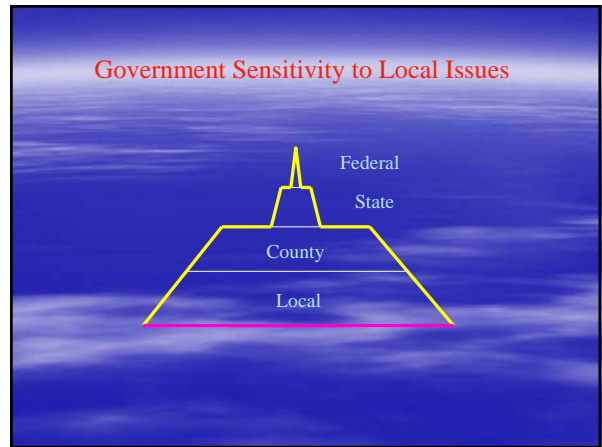
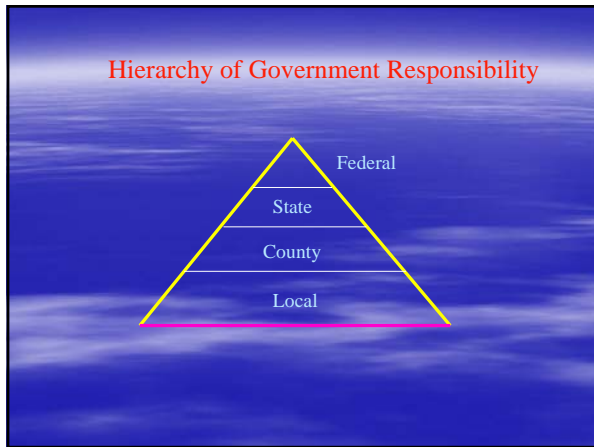
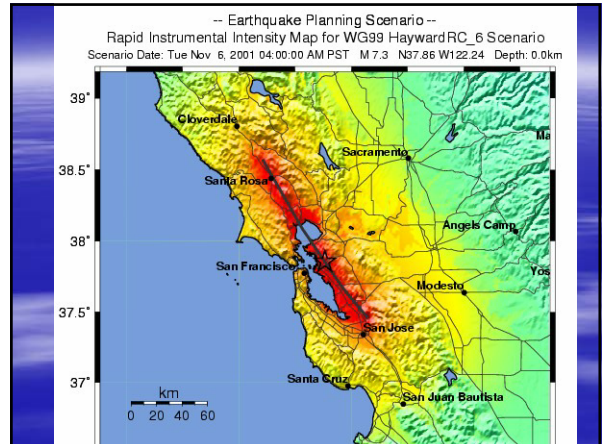
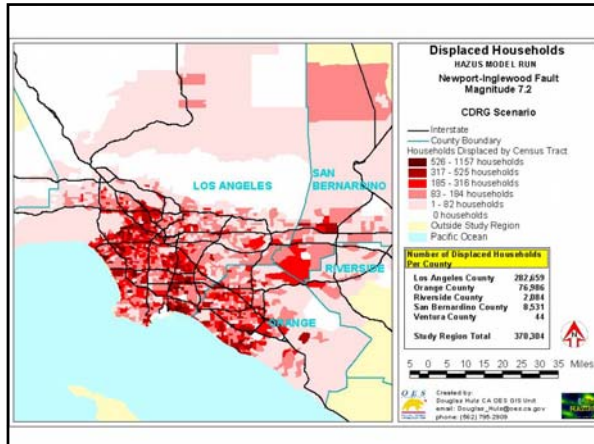
Richard Eisner, FAIA
Governor's Office of Emergency Services
State of California



Disasters, But Not Catastrophic







Reality Check

- Mitigation Takes Generations, But...
- Mitigation, Like Politics, is Local
- Mitigation is Never Finished
 - CalTrans
 - Schools
 - Hospitals
- Priorities? Who Pays? Who Benefits?
- What Do You Do... Today?

Find a Balance

- Mitigate What You Can
- Prepare to Respond to the Rest
- Partnership Among Scientists, Planners, Engineers, Builders, Policy Makers, Disaster Managers
- Who Pays, Who Benefits?
- Define "Role of Government"
 - Limits
 - Priorities

While Waiting for Mitigation...

- 2000 – 2001 FEMA Catastrophic Disaster Response Group (CDRG) Planning
 - Events That Would Overwhelm Stafford Act
 - \$100+ Billion Earthquake in SoCal/NorCal
 - 5 Planning Scenarios
 - Terrorist Attack on New York City
 - Recurrence of Dust Bowl Drought
 - Cat 5 Hurricane Breaching the Levees in New Orleans
 - Cat 5 Hurricane in Florida
 - M 7+ Earthquake in California

Post September 11, 2001

- National Focus on Terrorism Threat
- Homeland Security Presidential Directive 8 (HSPD-8)
 - 15 Threats & Planning Scenarios
 - Only 2 Natural Disasters
 - Focus on WMD, Bio-Terror, etc.
- "Prevention" and Response

Mitigation Assumptions in California

- Local Governments Are In-charge (and Take the Lead)
- Long Term Forecasts Will Enable More Effective Mitigation
- State and Federal Resources Will Support Local Mitigation
- Message: "A Dollar of Mitigation Prevents Two Dollars in Loss"

Disaster Response Assumptions

- Local Governments Will Be In-charge
- Warning (Hours to Days) Will Enable More Effective Response
- Significant Response Resources Within the State are Available Through Mutual Aid
- Message: "Prepare to Be On Your Own For 72 Hours"
- The State and Federal Government Will Make You Whole

- California Has Learned From Disasters
 - Master Mutual Aid Agreement (1950s)
 - Incident Command System (ICS)
 - “5 Party Agreement” for Wildfire Response
 - Unified Command Where Jurisdictions Overlap
- Catastrophic Earthquake Focus for Planning
 - Governor’s Earthquake Preparedness Task Force (1979)
 - Earthquake Prediction and Preparedness Projects (NEHRP/California) (1980)

- Loma Prieta (1989)
 - Urban Search and Rescue Task Forces
 - “OASIS” Satellite Based Communication System
- Oakland - Berkeley Hills Fire (1991)
 - Standardized Emergency Management System
- Adoption of ICS and SEMS by FEMA/DHS (2004)
- National Incident Management System (NIMS) Mandated by 2006

Assumptions

- Local Governments Would Request Assistance From Neighbors
- State Would Support Locals
- State Would Request Specific Federal Assistance (“Send Me Everything You Have”)
- FEMA Would Draw Resources From Emergency Management Assistance Compact (EMAC)

Observations On Katrina

- Local Governments Were Overwhelmed
 - Too Little, Too Late
- Did Not or Could Not Heed 3 Day Warning
- Local Plans Were Inadequate
- Capabilities of Populations Not Addressed
- No Mutual Aid System
- Did Not Heed Catastrophic Planning Scenario
- Local-State-Federal Hierarchy Didn’t Work

Issues to Address

- Mitigation May Never Catch Up to Disaster Realities
- “Magical Thinking” By The Public and Governments
- One Size Does Not Fit All
- Is Government Responsible for Those Who Cannot Afford to “Mitigate”?
- What is “Acceptable Risk”?

- California is Resource and Mitigation “Rich”, But...
- Mitigation is Not A Substitute for Response
- California Will Not Get 3 Days Warning
- The Federal Response is NOT a First Response
- Be Prepared to be on Your Own for MORE than 72 hours (Who Can, Who Can’t?)

- We are Mitigating for
 - 500 Year Earthquakes
 - 100+ Year Floods
 - ?? Year WMD/T Event
- ...But We Are Planning For Response to a Catastrophic Disaster
- How Will We Know When We Are Ready / Finished?

Catastrophic Disaster

- **Catastrophic***: “final event...momentous tragic event... utter overthrow or ruin... a violent destructive natural event... utter failure (fiasco)”
- **Disaster***: “a sudden calamitous event bringing great damage, loss or destruction”

*Webster's New World Dictionary

Are You Ready ??