THE SAN BERNARDINO COUNTY FIRE DEPARTMENT’S COMMUNITY PREPAREDNESS PRESENTATION

“THE FIRST 120+ HOURS”
Samples of World Wide Disasters

- Terrorist Attacks
- Chemical Releases
- Conflagrations
- Tornadoes
- Flooding
- Hurricanes
- Nuclear Releases

- Tsunami’s
- **EARTHQUAKES**

  KATRINA, USA
  CALIFORNIA FIRES, USA
  NORTHRIDGE QUAKE, USA
  THREE MILE ISLAND, USA
  CHERNOBYL, RUSSIA
  BHOPAL, INDIA
  MEXICO CITY QUAKE, MEXICO
Lessons of KATRINA

Katrina hitting Mississippi

Aftermath of Katrina
KATRINA

• Were the people hit by KATRINA prepared for a disaster of such magnitude?

• Were local governments prepared?

• Were state governments prepared?

• Was FEMA prepared?

Would you be PREPARED?

ARE ALL OF US PREPARED?
IS CALIFORNIA DUE?

A HUNDERED YEAR HISTORY OF QUAKES IN CALIFORNIA SHOWS THAT THE STATE IS MOST DEFINITELY EARTHQUAKE PRONE
SIGNIFICANT EARTHQUAKES IN THE GREATER LOS ANGELES REGION
1800 TO THE PRESENT

- Whittier Narrows, October, 1987
- Sylmar, February, 1971
- Kern County-Bakersfield, July and August, 1952
- Long Beach, March, 1933
- Santa Barbara, June, 1925
- Hemet-San Jacinto, April, 1918
- Fort Tejon, January, 1857
- San Bernardino, December, 1812
<table>
<thead>
<tr>
<th>Date</th>
<th>Magnitude</th>
<th>Location</th>
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<tbody>
<tr>
<td>Sept. 28, 2004</td>
<td>6.0</td>
<td>Parkfield, CA</td>
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<td>Dec. 22, 2003</td>
<td>6.5</td>
<td>San Simeon, CA</td>
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<tr>
<td>Dec. 20, 2000</td>
<td>4.6, 4.3</td>
<td>Burney, CA</td>
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<td>Sept. 3, 2000</td>
<td>5.2</td>
<td>Youngville, CA</td>
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<tr>
<td>Jan. 10 + 18, 2000</td>
<td>4.3, 4.2</td>
<td>Cloverdale, CA</td>
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<td>Oct. 16, 1999</td>
<td>7.1</td>
<td>Hector Mine, CA</td>
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<tr>
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<td>Location</td>
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<tr>
<td>Aug. 17, 1999</td>
<td>5.0</td>
<td>Bolinas, CA</td>
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<td>Jan. 17, 1994</td>
<td>6.9</td>
<td>Northridge, CA</td>
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<tr>
<td>June 28, 1992</td>
<td>7.3</td>
<td>Landers, CA</td>
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<td>June 28, 1991</td>
<td>5.8</td>
<td>Sierra Madre, CA</td>
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<td>Oct. 17, 1989</td>
<td>6.9</td>
<td>Loma Prieta, CA (San Francisco Area)</td>
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<td>Oct. 1, 1987</td>
<td>5.9</td>
<td>Whittier Narrows, CA</td>
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<tr>
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<td>Location</td>
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<tr>
<td>May 2, 1983</td>
<td>6.7</td>
<td>Coalinga, CA</td>
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<td>Feb. 9, 1971</td>
<td>6.6</td>
<td>San Fernando, CA</td>
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<td>March 22, 1957</td>
<td>5.3</td>
<td>San Francisco, CA</td>
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<td>July 21, 1952</td>
<td>7.5</td>
<td>Kern County, CA</td>
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<td>March 10, 1933</td>
<td>6.4</td>
<td>Long Beach, CA</td>
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<tr>
<td>April 18, 1906</td>
<td>7.9</td>
<td>San Francisco, CA</td>
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</table>
Our Risk Factors

• An 8.0 or greater earthquake has been predicted for the San Andreas fault line.

• The quake which caused the 30 foot Tsunami in Asia was magnitude 9.0.
What will be the Fire Department Response Capabilities after an 8.0 or greater quake?

Studies conducted after the Loma Prieta quake have suggested that the incapacity rate of Emergency Responders after such a high magnitude quake can reach UP TO 50%.
What will available Emergency Response Personnel be committed to?

THE PRIMARY DUTIES OF FIRE PERSONNEL DURING THE FIRST 120 HOURS WILL BE TO:

• PERFORM MAJOR LIFE THREAT RESCUES
• EXTINGUISH MAJOR FIRES
• MITIGATE HAZARDOUS MATERIALS INCIDENTS
Current San Bernardino County Fire Department Specialized Capabilities

• 3 fully equipped Urban Search And Rescue Unit (Heavy Rescue Classified) staffed with qualified USAR technicians.

The County Fire Chief’s Association’s INCIDENT MANAGEMENT TEAM

The County Fire Chiefs Association has formed an Incident Management Team made up of managers from most all fire departments within San Bernardino county.

This team is made up of highly trained, experienced and qualified personnel in the area of Emergency Incident Management.

This team can be deployed by a request made through the County Communications Center or by any of the Fire Chiefs within the cities of the county.
WILL THERE BE HELP COMING FROM OTHER AREAS?

• There is a State as well as a National Mutual Aid System in place which are activated during major emergencies.
• Support will start pouring in from unaffected areas in the state and nation.
• **Time Delays** in support services will be due to time needed for **Mobilization** and **Access**
MOBILIZATION TIME?

• Time involved in finding and dispatching emergency equipment/ personnel.
• Travel time for their arrival from outlying areas.
Access refers to the possibility of road damages, bridge collapses, etc., which can cause delays in travel time to the affected area(s).
WHAT THEN, IS THE TIME CONCERN TO THE PUBLIC?

THE FIRST

120+ HOURS
For the First 120+ Hours

- Plan on sustaining yourself and your family.
- This is where Emergency Preparedness comes in.
- Plan ahead and conduct practice drills with your family.
CONSIDERATIONS FOR “YOUR PLAN”

• Assemble an Emergency Preparedness Kit

• Know how to Shut Off your Utilities

• Determine best Escape Routes from home and business

• Find Safe Spots around your home to “Shelter in Place”
<table>
<thead>
<tr>
<th>Considerations for an <strong>Emergency Kit</strong></th>
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<tbody>
<tr>
<td><strong>Left Column</strong></td>
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<tr>
<td>- Food Supplies</td>
</tr>
<tr>
<td>- Water (water heater)</td>
</tr>
<tr>
<td>- First Aid Kit</td>
</tr>
<tr>
<td>- Warm Clothing</td>
</tr>
<tr>
<td>- Family Pictures</td>
</tr>
<tr>
<td>- Cash</td>
</tr>
<tr>
<td>- Medications</td>
</tr>
<tr>
<td>- Fire Extinguisher</td>
</tr>
<tr>
<td>- Important Papers</td>
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</tbody>
</table>
Types of **Ready Made Kits** for Purchase
WHAT ABOUT THE HOUSEHOLD UTILITIES?
WHAT YOU SHOULD KNOW!

1. Know how to shut off your Gas at the meter, in case of leaks.

Gas Shut Off Tool
2. Know how to shut off your Electricity, if required.

Common Electrical Panel
3. Know how to shut off your Water, in case of leaks.

Water Shut Off Tool
Escape Routes

- Draw up an “Escape Drills In The Home” plan.
- **CONDUCT/PRACTICE DRILLS** to determine if anything has been overlooked.
- EVERYONE in the household NEEDS TO PARTICIPATE for it to be successful. It may SAVE YOUR LIFE.
- Be familiar with **Escape Roads** out of your particular geographical area.
SHELTERING IN PLACE

• Identify safe areas in and around your home and inform everyone in your household.
• Identify meeting places and make all family members aware of them.
• Remember that you should be prepared to shelter in place for a minimum of 120 hours, if needed.
WHERE CAN YOU GET MORE INFORMATION?

• **NEIGHBORHOOD WATCH PROGRAMS.**
• **Federal Emergency Management Administration.**
• **AMERICAN RED CROSS** is an excellent source for information.
• County & State Office of Emergency Services
• **Community Emergency Response Teams** Program
• The San Bernardino County Fire Department
Neighborhood Watch Programs

- Get involved with your neighbors
- During a major disaster, you will need one another
- Don’t wait for the disaster, **PLAN NOW**
Become a C.E.R.T. Volunteer

• Learn how you can help yourself, your family and your neighbors during those first 120 hours.
• Get equipped with your initial tool kit which is provided for you.

Community
Emergency
Response
Teams are vital in helping during the first 120 hrs. Contact your local Police Department or the County Office of Emergency Services for details on how to become a CERT member.
Don’t’ Wait! **BE PREPARED!**

- Get started TODAY!
- Get your neighbors and friends involved!
- A disaster affects us all!

- Become a part of the solution for the FIRST 120 HOURS.
- Because once the disaster hits, (as seen with Katrina) there will be many problems to solve if we are not somewhat prepared to self-sustain for the first 120…........
Thanks You
For Your Time & Attention

This presentation was developed by
Battalion Chief Al Krelnikov, SBCFD