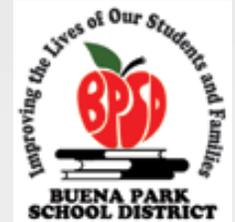


BUENA PARK SCHOOL DISTRICT

Earthquake Safety Presentation



Greg Magnuson, Superintendent

**Kelvin Tsunezumi, Assistant Superintendent
Administrative Services**

Mike Anderson, Director, FMOT

October 14, 2013

Agenda

- Variety of Emergencies
- Calexico Unified's Earthquake Experience
- Safety
 - Processes Already in Place / Activities Completed
 - Activities In Process
- Questions

Variety of Emergencies

- Civil Disturbance
- Accident, Injury, Sudden Illness
- Evacuation
- Biological Hazard
- Automobile Accident
- Lock Down
- Bomb or Terrorist Threat
- Utility Failure or Leak, Building Emergency, Crime
- Hostage Situation, Suspected Terrorist, Violent Intruder, Active Shooter
- Earthquake
- Explosion, Hazardous Materials or Chemical Spill
- Airplane Crash
- Disaster
- Fire
- Weather/Air Quality



CALEXICO UNIFIED'S EARTHQUAKE EXPERIENCE

Select slides & information courtesy of:

Raul Martinez
Supervisor, Maintenance & Operations
Calexico Unified School District

Easter Sunday, April 4, 2010 at 3:40 p.m.
7.2 Magnitude Earthquake
(Centered 29 Miles Southeast of Mexicali, Mexico)



Largest earthquake in area since 1892. Shaking motion felt over the Southern California region and as far away as Las Vegas.

Earthquake damaged roads (making some roads impassible)



Damage to:

- Water & Sewer Treatment Plants
- Power Lines
- Residential, Commercial & Industrial areas
(52 business/homes destroyed & 108 business/homes damaged)
- Fortunately no fatalities and just 50 injuries.



Calexico Unified School District (CUSD)

- Sustained significant damage





13 School Sites & District Office Damaged

- Structural & Non-Structural
- Exterior Stucco Ceilings (Soffits)
- Interior & Exterior (Walls, Ceilings, Lighting & Walkways)
- Electrical
- Gas Lines
- Asbestos
- Debris
- 9,500 Students Displaced
- Total estimated damages of \$12 million
- Emotional Stress.

Exterior Stucco Ceilings (Soffits) Fell



Lesson learned:

- *"CUSD's emergency plan originally called for students to run under the soffit.....not any more!"*
- *Fallen soffits are blocking the doors.....need alternative way out.*

Interior Classroom Damage



Lesson learned:

*“While classrooms sustained damages. Desks were intact.... **duck, cover and hold on.**”*



CUSD Response after Emergency

- Conducted preliminary damage assessments
- Identified immediate needs
- Worked with/obtained assistance from local agencies: Imperial County Office of Education, Fire Chief (Red Cross) and City building inspectors
- Worked with/obtained assistance from state & federal agencies: Division of the State Architect (DSA), Office of Public School Construction (OPSC), Office of Emergency Services, County Health Department, Environmental Protection Agency (EPA), CDE, Department of Toxic Control, EPA, US Department of Homeland Security-Border Patrol, California Emergency Management Agency (Cal EMA) & Federal Emergency Management Agency (FEMA).

Lesson learned: *Coordination with and assistance from other organizations is critical.*

CUSD – Timeline of Events

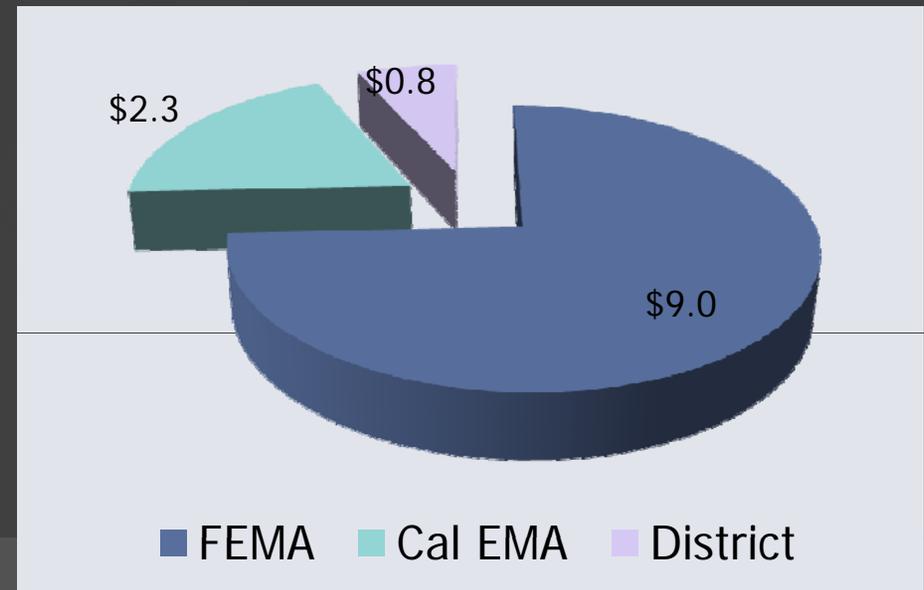
| Date | Activity/Event |
|---|---|
| Sunday, April 4 | Day of Earthquake |
| April 5 on | Maintenance & Custodial staff called in |
| Monday, April 5 | Board authorizes Emergency Resolution - To obtain legal assistance - To hire DSA Engineers & Seismic Experts - To hire 3 architectural firms & DSA Inspector - To contract with environmental & asbestos abatement firm |
| Tuesday, April 6 | Gov. Schwarzenegger proclaims state of emergency |
| by Tuesday, April 13 | All schools inspected by structural engineers/architects |
| by Saturday, April 24 | <ul style="list-style-type: none"> • Architectural firms assess & determines projected scope of work • Bids solicited and contracts awarded • Work starts |
| School resumes (in some cases in other locations) | For most schools: 17 days post earthquake For Calexico H.S.: 20 days post For Jefferson Elementary: 23 days post (but at other locations) |
| August 2012 | Repairs to Jefferson Elementary completed (April 2010 to August 2012, 700 students transported to other sites) |



“Response by staff was admirable (especially given the circumstances).”

Funding of Repair Costs

(Total repair cost estimated at \$12 million)



Lesson learned:

- *Need to follow strict guidelines to obtain Federal/State funding*
- *Enlisting the assistance of politicians including the Governor, congressmen, etc. is critical*
- *Although FEMA & Cal EMA picked up a significant amount of costs, District still had out of pocket costs (\$800K).*



Communication Outreach

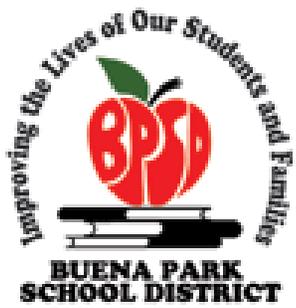
- Press conferences
- Information line
- Website
- Bulletin Updates
- Press & media releases
- Mailings
- Postings in the city.

*District did not have a Public Information Officer (PIO).
“..... having a PIO would have been very helpful.”*

Other CUSD Actions

- Waiver applications submitted to obtain funding for lost instructional days
- To meet student educational needs, district developed options to reconvene school while repairs being made:
 - Posted instructional packets on school websites for students to download
 - For students without internet access, Parent Centers used for distribution of instructional packets
 - Use of alternative locations (public libraries, parish halls, etc.) where principals met with teachers and teachers met with students and parents
- To ensure students' nutritional needs, school officials used city parks to serve breakfast & lunch.





BPSD Processes Already in Place

- Annual School Safety Plans. Developed by each site, approved by respective school site councils, reviewed by Administrative Services/M&O, and accepted by the Board of Education
 - Updated site safety plans to be presented for Board authorization at our October 28th Board Meeting
- Emergency evacuation locations (primary & secondary) for each site established
- Employee Emergency Information form updated to include (as an employee option) personal cell phone and e-mail addresses.



The Great California Shakeout Drill

- District-wide emergency procedure drills, including earthquake drills, held regularly
- On October 17th at 10:17 a.m., BPSD will join millions in “The Great California Shakeout” drill
- Before the drill: Provide instructions on how to correctly perform “Drop, Cover, and Hold on”

- During the drill:

- At 10:17 a.m., all students, teachers & staff “Drop, Cover, and Hold on”
- Once shaking has stopped, evacuate the classroom
- Account for all students, teachers & staff.



Activities Completed

- First responder lockboxes installed at each site
Contents: Site map, keys, emergency contact info, etc.
- “Emergency Procedures” booklet re-issued
 - Multi-colored “Emergency Procedures” booklet posted (classrooms and offices)
 - Spanish/Korean translations available in school office
 - English/Spanish/Korean versions posted on district website
- Disaster Service Worker reminder notice provided to all employees.

Activities Completed (Cont'd)

- Validated site emergency supplies including:
 - 55 water gallon drums at each site (but need to reallocate to balance need by site)
 - 3 days worth of food (perishable & non-perishable) at each site (cafeteria)
 - Addt'l food & water at central warehouse
 - Two way radios at each site (to communicate with district office, other BPSD sites and with our buses in an emergency).

Activities in Process

- Replace & relocate site, cargo containers as needed
 - Cargo containers used to store emergency supplies
 - Some cargo containers are “rusted out” and some may need to be relocated
- Reorganize and revalidate emergency supplies such as flashlights, radios, blankets, first-aid kits, & toiletries
- Double check on classroom individual supplies for need/adequacy
- Further assist first responders by painting building numbers on the sides & roofs of buildings
- Attend Red Cross emergency training seminar (Oct 30).

Activities in Process (Cont'd)

- Fine tune District Office Emergency Operations Center (EOC) set-up
- Upgrade two-way radios
 - Upgrade outdated radios for sites, district office and select buses to ensure communications link
 - Explore possible radio communication link with Police & Fire departments
- Pursue backup repeater
 - Radio repeater required to maintain radio communications with our sites/buses
 - Pursuing backup repeater in the event primary repeater is damaged or destroyed in an emergency
- Explore backup generator(s) to power EOC & repeaters.



Activities in Process (Cont'd)

- Enhance emergency communication using EduLink
 - Communicate via text & e-mail messages
 - Create distribution files (District's first responders, site personnel, parents/guardians, etc.)
 - Obtain cell phone & e-mail addresses (work and if employee agrees personal cell # & e-mail addresses)
 - Collection via Survey Monkey vs. hard copy forms in progress
 - Ensure off-site/off-hours access to EduLink
 - Test system / Create scripts
- Supplement with Twitter & district webpage
- Reach agreement on protocols.

Questions

