

Building Community Resilience

The Role of Non-governmental
Organizations in Making Places
More Resilient



Brent Woodworth:
President and CEO – LA Emergency Preparedness Foundation

Community Resilience:

The ability to withstand shocks and stresses
And bounce back stronger

- Encompasses a wide variety of areas, from Environmental resilience to social resilience

Factors

- Population Growth
- Infrastructure
- Communications
- Economic
- Civic Cohesion
- Natural and Man-Made Disasters
- Cross-Sector and Cross-City Collaboration



“ I Lost Everything”

EARTHQUAKE
Turkey - August, 1999



“The sky turned to night”



Guaga Pichincha Volcano

VOLCANIC ERUPTION

Ecuador - October 1999



India Earthquake

Magnitude 7.9 Earthquake

- Affected Population: 16,972,606
- Human Fatalities: 30,000 +
- Injured Persons: 68,478
- Destroyed Houses: 228,906
- Damaged Buildings 397,538



Bhuj, India
January, 2001



India: Gujarat Earthquake Relief

Receipt, Packing and Distribution of Supplies



Tsunami Indian Ocean

- 280,000 Lives Lost



Tsunami Banda Aceh Indonesia

Debris and Bodies





Pakistan Earthquake

- Balakot / 60% loss of life



Field Hospital: 60 to 70 Operations per Day - Minimal Anesthesia



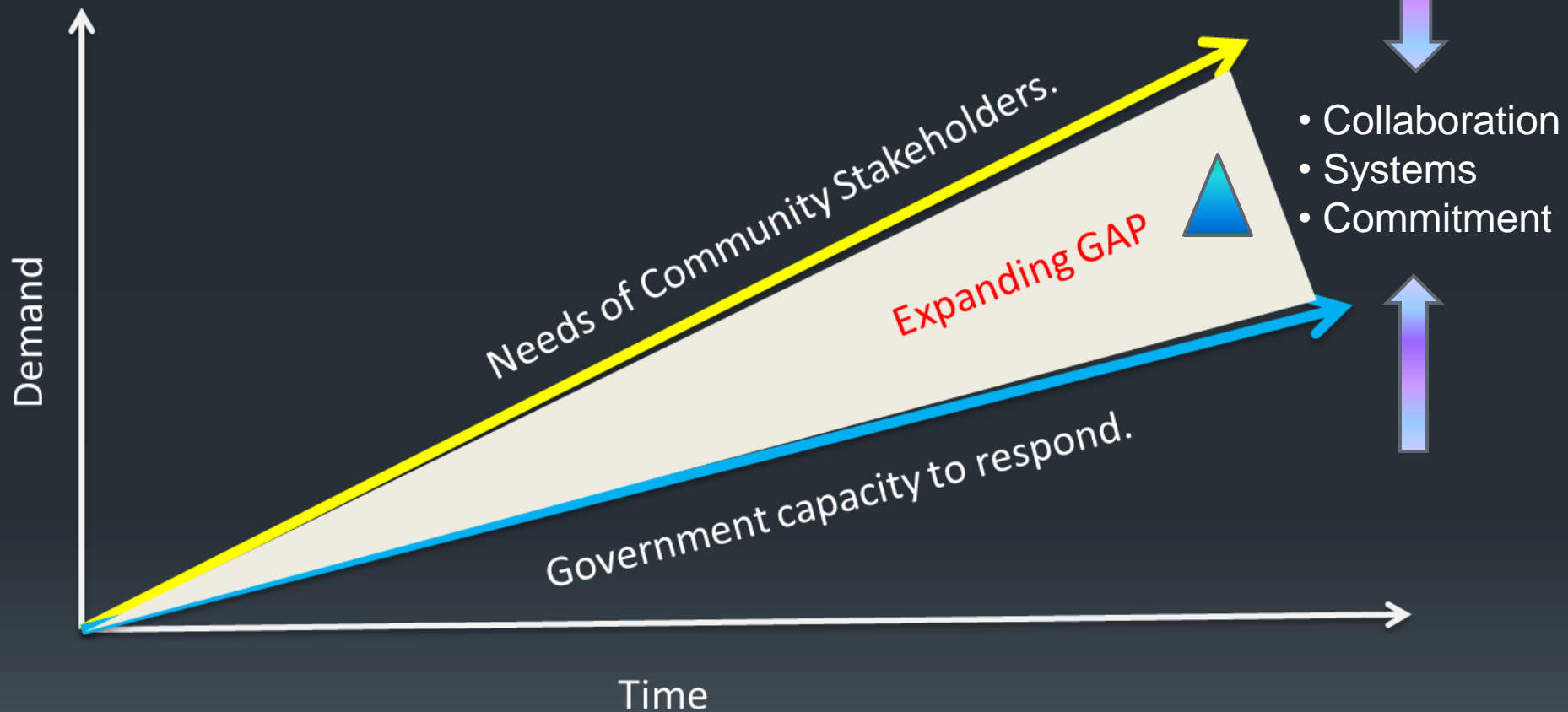
Minami Sanriku, Japan: October, 2011



Haiti: 2010



Bridging the capabilities GAP



Community Resilience:

What Does It Take?

- Innovation
- Collaboration
- Sustainable
- Measurable
- Repeatable



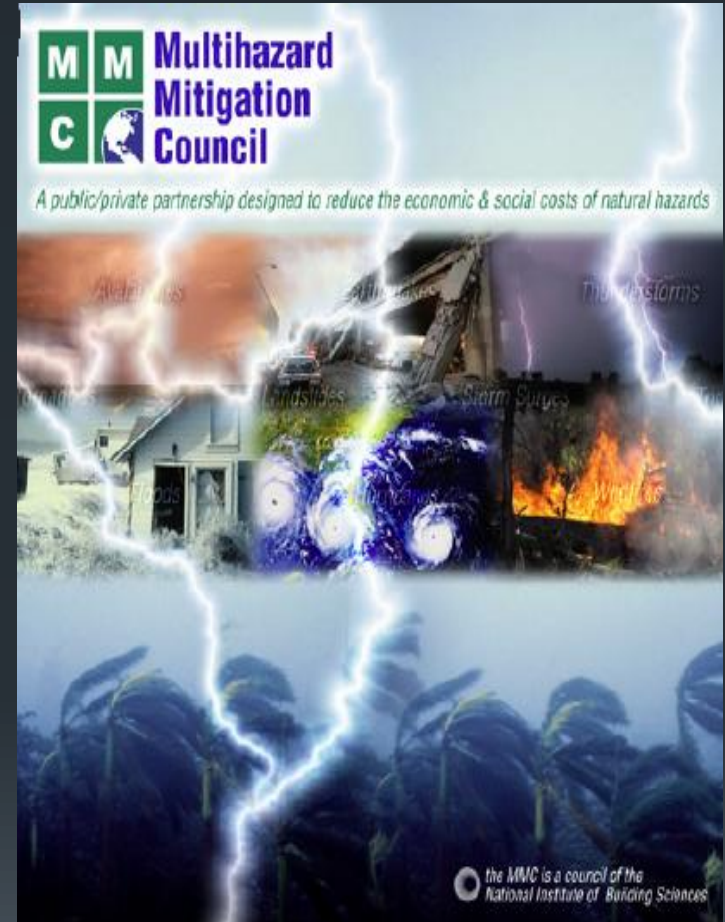
Why Invest ?

Natural Hazard Mitigation Saves

- An independent study to assess the future savings from Mitigation activities.
- Developed in cooperation with OMB & CRO.
- Presented to US Congress
- International Industry Benchmark

Benefits of Investing
In Pre-Disaster Mitigation

4:1 Benefit / Cost



“ An Ounce of Prevention is Worth a Pound of Cure”

Community Resilience Innovation Challenge

- Nationwide Program
- Awards up to \$35,000
- No financial match required
- Simplified application process

Funded By:



Rockefeller Foundation
Innovation for the Next 100 Years

Structured and
Managed By:



Los Angeles
Emergency Preparedness Foundation



2012 Community Resilience Innovation Challenge

NEW OPPORTUNITY!



Objectives

- Create a culture of community resilience by identifying needs, mobilizing partners, and creating innovative, motivating, and effective solutions that can be grown, sustained, and replicated.

2012 Community Challenge Funding

- Awards will range up to a maximum of \$35,000.
- No financial match is required.
- Award funds will be paid directly to the award winning agency, institution, business entity, association, organization, or group.
- Supports both existing initiatives and new collaborations.

Eligible Applicants

- Agencies, institutions, business entities, associations, organizations or groups operating within the local jurisdiction where the project will be conducted.
- Only projects within the USA and USA territories will be considered.
- All projects must start within 30 days of receiving award funds.
- Award funds must be fully utilized within 1 year of receipt.

Application Deadline: Postmarked (TBD) emailed by 11:59 pm PDT.

Evaluation Criteria include, but are not limited to, the following factors:

Innovation * Collaboration * Project Sustainability * Replication * Benefits

For more information and to download the application form, visit:
www.ChallengeAwards.org

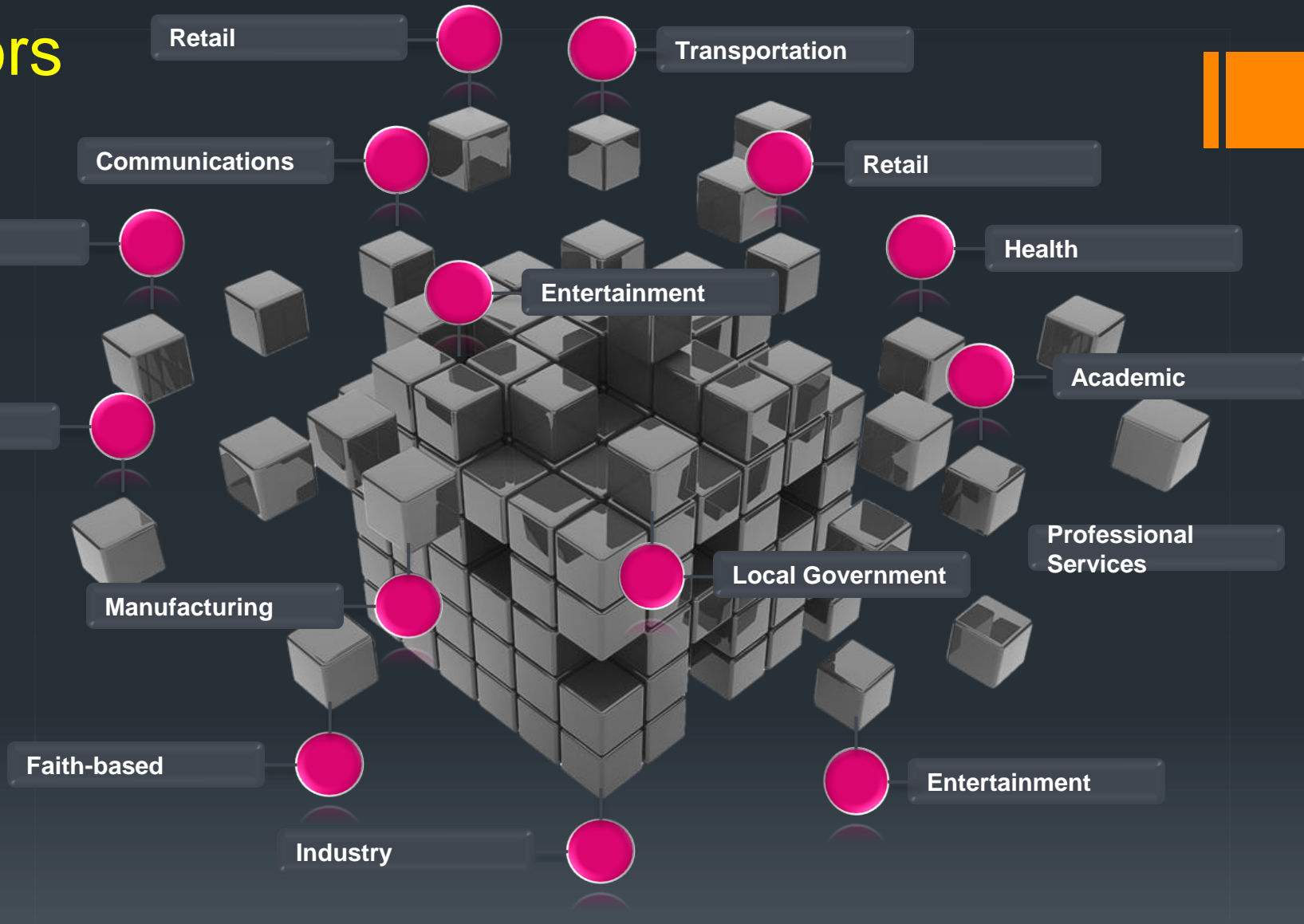
Funding Provided By:



Program Managed By:



Sectors



Community Stakeholder Sectors

- **Critical Infrastructure** – Utilities, Voice, Data, Highways, Services
- **Healthcare** - Hospitals, Pharmacies, Clinics
- **Banking** - Finance, Insurance, Legal
- **Entertainment** - Arts, Media, Sports, Recreation
- **Manufacturing** - Heavy Industry, Chemicals , Process, Oil and Gas
- **Construction** - Development, Facility Management, Real Estate,
- **Hospitality** - Food and Beverage, Lodging, Tourism
- **Information Technology** - Computers, Servers, Software
- **Transportation** - Automotive, Postal / Shipping, Supply chain, Warehousing
- **Associations** - Professional Services, Consulting
- **Retail** - Wholesale, Grocery, Consumer Goods and Services
- **Faith Based** – Houses of Worship, Organizations
- **Academic** – Universities, Colleges, Schools
- **Non-profits** - NGO's, Foundations
- **Government** - Local, State, Federal

LA Emergency Management Division EOC and BOC



3 Phase Community Resilience Continuum:



1) Build Community Stakeholder Collaboration

- 15 Sectors: Business, Government, Academic, Faith-Based
- Participation, Collaboration, Trust, Commitment



2) High Value Tools : Community Stakeholder Network (CSN)

- Situational Awareness & Decision Support
- Information Sharing – Utilities, Business, Government, Community
- Dynamic Mapping & Modeling
- Business Intelligence
- *“Information is as important as Food, Water, or Shelter in a Crisis”*



3) Leadership and Coordination

- Rapid, and Collaborative event response
- Government and Community Stakeholder Sector protocols
- Identify, manage and address immediate and emerging needs
- Creative and High-impact Contributions
- Provide sage advice, guidance, and coordination

Building Community Resilience

Top Down Approach / Bottom Up Approach

How to Make it Work:

Collaboration cannot be mandated. Success requires:

- Trusted, and committed leadership across sectors
- The determination to overcome roadblocks
- The ability to listen, interface, communicate and work with community stakeholders (Public and Private)
- The ability to make the trade-off's necessary to make the best interests of community stakeholders the #1 priority
- Identify and reduce redundant efforts – break down silos
- Share information



Business Intelligence



- **Wisdom** is a collected, connected understanding—built from knowledge—that gives insight into the future

- **Knowledge** applies human skill, experience, and perspective to make the information useful

- **Information** structures, patterns, and connects data

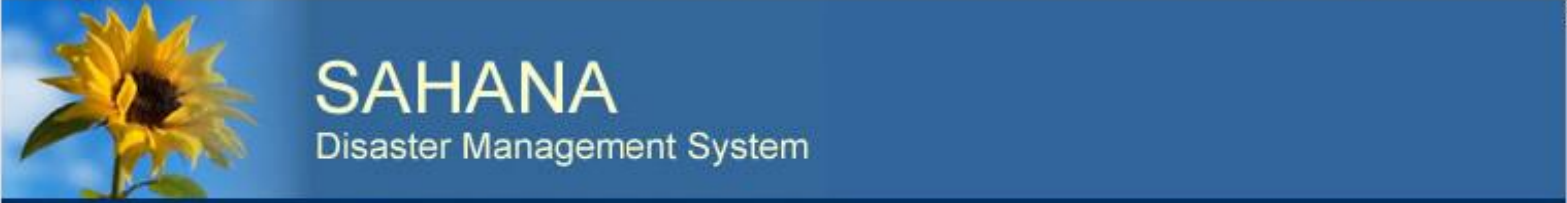
- **Data** is something that is gathered

SAHANA

Sahana Disaster Management System - Mozilla Firefox

File Edit View Go Bookmarks Tools Help shortcuts todo dev core tools groups php

http://cvs.opensource.lk/sahana2/index.ph Go



SAHANA Disaster Management System

Jump to: [Content](#) | [Module Menu](#)


MISSING PERSON REGISTRY

- Home
- Search for a Person
- Search for a Found Person
- Report a Missing Person
- Edit a Missing Person
- Report a Found Person

SAHANA MAIN

- Sahana Home
- Camps Registry
- Missing Person Registry
- Organization Registry
- Request Management System
- System Administration

Missing Person Registry



- Missing Person Registry helps you to find people quickly in the chaos
- Ensures every single person is being accounted for and tracked
- Helps prioritize relief response to the critically affected

Done PR:n/a Adblock

Sahana Deployments

- Asian Tsunami in Sri Lanka – 2005
- Kashmir Earthquake in Pakistan – 2005
- Landslide disaster in Philippines – 2005
- Sarvodaya and Terre des Hommes (NGOs), Sri Lanka - 2005
- Yogyakarta Earthquake, Indonesia – 2006
- Cyclone Sidr in Bangladesh – 2007
- Ica Earthquake, Peru – 2007
- Coastal Storm Plan in New York City – 2007
- Ica Earthquake, Peru – 2007
- Chendu-Sitzuan Province Earthquake, China – 2008
- Flooding in Bihar, India – 2008
- Cyclone Nargis, Myanmar – 2008
- National Disaster Management Center & Ministry of Resettlement & Disaster Relief Services, Sri Lanka – 2009
- City of Tampa Florida, USA – 2009

Sahana Deployments

- Port-a- Prince Earthquake, **Haiti** – 2010
- WFP and WHO (**UN**) – 2010
- Earthquake, **Chile** – 2010
- Floods, **Pakistan** – 2010
- Floods, **Venezuela** – 2010
- Hurricane Karl, **Mexico** – 2010
- Christchurch Earthquake, **New Zealand** – 2011
- Floods, **Colombia** – 2011
- Hurricane Irene, **USA** – 2011
- Joplin Tornado, **USA** – 2011
- Tohoku Earthquake and Tsunami, **Japan** – 2011
- Hurricane Sandy, **USA** – 2012
- Wildfires, **Chile** - 2012

NYC OEM – Site Management

Sahana FOSS Disaster Management System - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost/nyc-csp-p2/www/index.php?mod=cr&act=gis_show_map&seq=K01

Print Current Page

Site Location for Solar System: K01

SITE SYSTEM

- Home
- Search
- Add Site
- Edit Site
- Reports
 - Site Facility Summary
 - Site Detail by Borough
 - Map by Location

SAHANA MAIN

- Sahana Home
- Shelteree Tracking System
- Site System
- SANDS
- Staff Registration System
- Reporting
- My Settings
- Administration

Map Satellite Hybrid

P.S. 307 - BROOKLYN
Hurricane Shelter
Capacity: 963
[View](#)

The Community Stakeholder Network (CSN)

A system to support enhanced Communication, Collaboration, and Community Resilience.

Developed by: Business, Government, Non-profit, Faith Based, Academic and Community Associations



A trusted source for Business Intelligence & Decision Support

Situational Awareness Capabilities

1. Breaking News & Daily Updates
2. Interactive Maps
3. Earthquake Impact Modeling
4. Trusted Situation Reports
5. Stakeholder Sector Posts
6. Social Networking Data
7. Secure Collaboration Board
8. Needs / Offers Posting
9. Instant Polling & Surveys
10. Customized Dashboard
11. Calendar & Weather
12. Handheld Device Support

The screenshot displays the CSN website interface, which is a hub for emergency response and situational awareness. The top navigation bar includes links for HOME, NEWS, MAPS, 4xLET, NEEDS / OFFERS, MEMBERS, DOCUMENTS, CALENDAR, DASHBOARD, and HELP. A search bar is located in the top right corner.

BREAKING NEWS: A prominent red banner at the top left features a breaking news alert: "May 13, 2014 6:00 AM Governor Jerry Brown has declared State of Emergency for San Diego County, thousands have been evacuated".

CSN provides critical fire information through interactive maps. A large map of San Diego County is shown, with red areas indicating fire zones and green lines representing evacuation routes.

Quick Links - Maps: A section below the map provides quick access to various map types, including a search bar and a list of map categories.

Situation Reports: A section on the right side of the page lists recent situation reports, including "Cal OES Situation Awareness 5-13-14", "FEMA Region IX Incident Report 5-14-14", and "FEMA Region IX Incident Report 5-14-14".

Weather: A weather widget shows the current temperature in Los Angeles, CA, as 88°F.

CSN Event Map: A map showing the locations of various events and incidents across the state.

CSN Twitter: A section displaying recent tweets from CSN.


Active Events / Incidents: A section on the right side of the page lists active events and incidents, including "CSN Today", "CSN Activation Level", and "Alerts".

Member Posts: A section on the right side of the page displays posts from CSN members, including "Red Flag Warning Issued May 15 at 9:36AM PDT until May 16 at 8:00PM PDT by NWS" and "Red Flag Warning Has Been Extended Until 8 PM PDT Friday for Very Low Humidity for the Sequoia National Forest South of Sequoia National Park and the Kern County Mountains...".

Weather Advisory: A section on the right side of the page provides weather advisories, including "Current Watches, Warnings and Advisories for California Issued by the National Weather Service" and "Red Flag Warning Issued May 15 at 9:36AM PDT until May 16 at 8:00PM PDT by NWS".


Interactive Mapping

- Severe Weather
- Event Maps
- Transportation
- Utilities
- Relief Sites
- Crowd-sourcing
- EQ Impact



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A PRODUCT OF



HOUSING SECURITY ADVISORY COUNCIL

Welcome, Brent Woodworth (0)

Search...

[HOME](#)
[NEWS](#)
[MAPS](#)
[InLET](#)
[NEEDS | OFFERS](#)
[MEMBERS](#)
[DOCUMENTS](#)
[CALENDAR](#)
[DASHBOARD](#)
[HELP](#)

Severe Weather - United States

This map contains continuously updated US tornado reports, wind storm reports, hail storm reports, and weather warnings. You can click on each to receive information about the specific location and read a short description about the issue. Each layer is generated hourly from data provided by NOAA's National Weather Service Storm Prediction Center.

[Legend](#)
[About](#)
[Layers](#)

Legend

Hail Storm Reports (24 hours)

Tornado Reports (24 hours)

Tornado Reports (past week)

Wind Storm Reports (24 hours)

Short Term Warnings (NOAA)

NOAA Severe Thunderstorm Warnings


NOAA Tornado Warnings


NOAA Flash Flood Warnings

NOAA Special Marine Warnings

Severe Weather Public Informati...

Zip Code, city, etc.






HOUSING SECURITY ADVISORY COUNCIL

Who's CSN? | CSN Benefits | Collaboration | CSN Event Maps
 News | Tools | Our Leadership | Our Stakeholders | Feedback | Contact Us

CSN is a consolidated, high-value, trusted source for business and community stakeholders where members can review, share data, and work together to better prepare for, respond to, and recover from man-made or natural disaster events.



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Interactive Mapping

- Live Traffic
- Event Maps
- Transportation
- Utilities
- Relief Sites
- Crowd-sourcing
- EQ Impact

CSN
A PROJECT OF
HSAC
HOME NEWS MAPS InLET NEEDS/OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP

Search...

CSN Traffic Maps

This Traffic map provides a color schemed map of Los Angeles showing areas of high impact traffic opposed to areas of low traffic. By clicking on the legend at the top left of the map you can learn how to better read the indications on the map. Additionally you can change the basemap option to select a different type of basemap layer such as topographic, imagery, streets, OpenStreetMap, and more. By using the Time option you can play traffic for the region over a period of time to determine when areas will be most and least impacted throughout Los Angeles.

The Cameras below the main map are live feeds of Los Angeles freeways. Every traffic camera image has a name attached to it indicating the freeway onramp/off-ramp or approximate location to a freeway junction.

LA Traffic

Bookmarks Link Legend Basemap

San Marino
South Pasadena
Temple City
San Gabriel
Rosemead
South El Monte
Montebello
Pico Rivera
Maywood
Bell
Huntington Park
Florence

Los Angeles

City Terrace
East Los Angeles
City of Commerce

Powered by Esri

San 057
0 100 - 510422 01

San 007
0 100 - 510422 01

San 006
0 100 - 510422 01

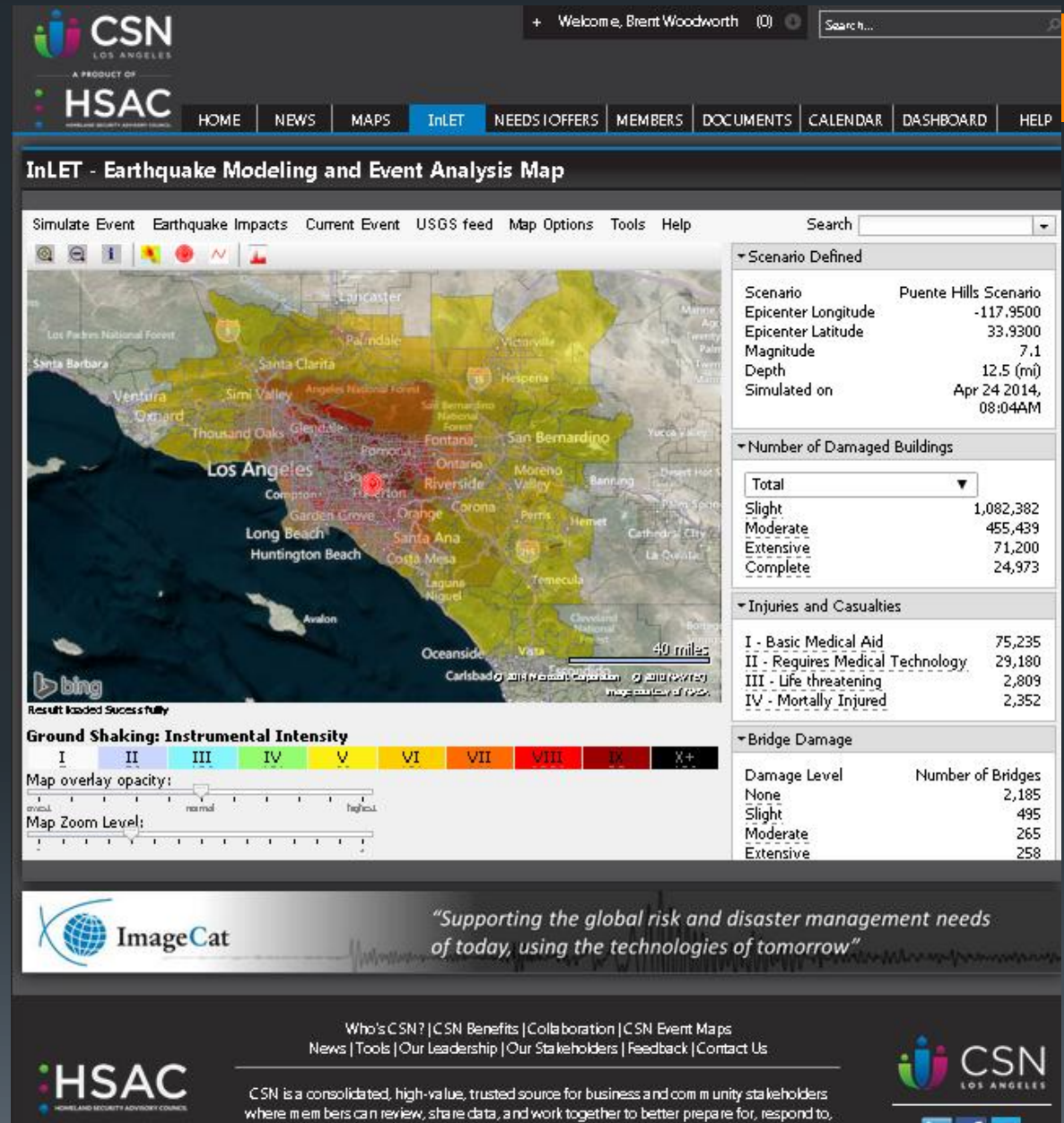
Advanced Mapping

- Pre-event Modeling
- Actual Event Analysis

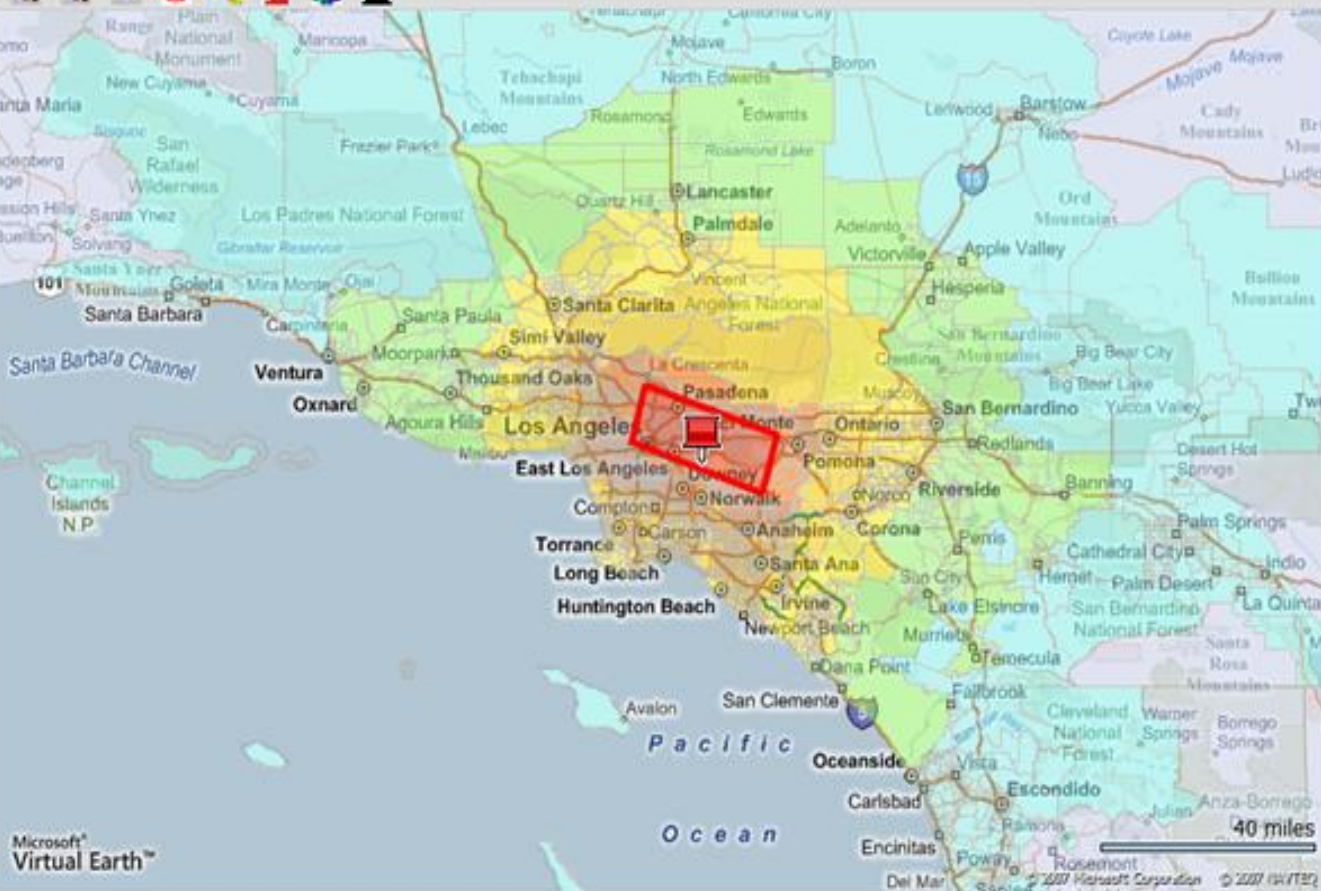
Multiple data layers

- Linked to USGS
- Utilizes HAZUS

Damage and loss
Estimation analysis



Run ▾ Results ▾ Real Time ▾ Tools ▾ Map Options ▾ Help ▾



Result loaded Successfully

Ground Shaking: Peak Ground Acceleration

.0017-.014 .0017-.014 .014-.039 .039-.092 .092-.18 .18-.34 .34-.65 .65-1.24 1.24-2.0 2.0+

Map overlay opacity:



Map Zoom Level:



Scenario Defined

Fault Name Puente Hills Blind Thrust
 Epicenter Longitude -118.192060252
 Epicenter Latitude 34.0273722274
 Magnitude(MW) 7
 Depth (KM) 8
 Run on Aug 1 2008 3:04PM

Number of Damaged Buildings

	Residential	Commercial	Industrial
None	7254843	43668	5389
Slight	1040534	2720	303
Moderate	496664	3937	546
Extensive	81626	2359	318
Complete	28575	1248	182
Total	8902242	53932	6738

Percentage of Damaged Buildings

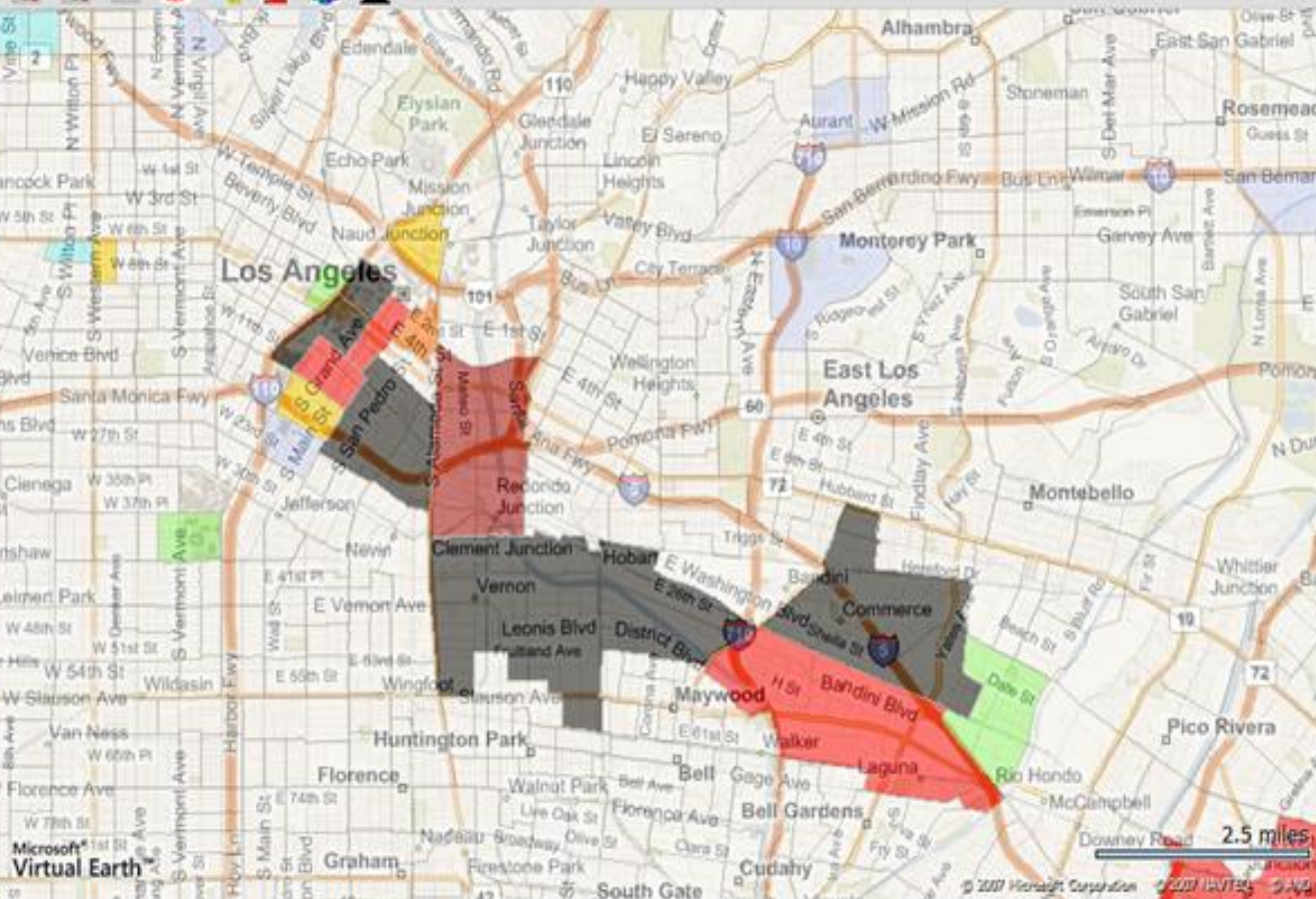
Injuries and Casualties

I - Basic Medical Aid	62583
II - Requires Medical Technology	24113
III - Life threatening	3423
IV - Mortally Injured	3136

Bridge Damage

Damage Level	Number of Bridges
None	2218
Slight	341
Moderate	603
Extensive	41

Run ▾ Results ▾ Real Time ▾ Tools ▾ Map Options ▾ Help ▾



Thematic COMCOM applied to Census Tract Results

Number of Damaged Buildings: Complete- Commercial



Map overlay opacity:



Map Zoom Level:



Layers

- ☒ Census Tract
- ☐ Bridges
- ☐ Fault Rupture
- ☐ Faults

Map Background

Thematics

Ground Motion

- ☐ PGA
- ☐ MMI

Number of Damaged Buildings

	S	M	E	C
Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Industrial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Percentage of Damaged Buildings

	S	M	E	C
Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Injuries and Casualties

- ☐ Basic Medical Aid
- ☐ Requires Medical Technology
- ☐ Life Threatening
- ☐ Mortally Injured

Run ▾ Results ▾ Real Time ▾ Tools ▾ Map Options ▾ Help ▾



Layers ▾

- ☒ Census Tract
- ☐ Bridges
- ☐ Fault Rupture
- ☐ Faults

Map Background ▾

Thematics ▾

Ground Motion

- ☐ PGA
- ☐ MMI

Number of Damaged Buildings

	S	M	E	C
Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Percentage of Damaged Buildings

	S	M	E	C
Residential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industrial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Injuries and Casualties

- ☐ Basic Medical Aid
- ☒ Requires Medical Technology
- ☐ Life Threatening
- ☐ Mortally Injured



Thematic CAS2 applied to Census Tract Results

Injuries and Casualties: II - Requires Medical Technology



Map overlay opacity:

lowest normal highest

Map Zoom Level:



**BREAKING
NEWS**

Feb 24, 2014 5:00 PM

2 to 4 inches of rain expected throughout Los Angeles County in coming days.

Severe Storm 2014

CSN
LOS ANGELES

HOME NEWS MAPS MEMBER NEEDS | OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP


Welcome, briancaison@icris.com (0)

Severe Weather - United States

This map contains continuously updated US tornado reports, wind storm reports, hail storm reports, and weather warnings. You can click on each to receive information about the specific location and read a short description about the issue.

Each layer is generated hourly from data provided by NOAA's National Weather Service Storm Prediction Center.

Severe Weather



Who's CSN? | CSN Benefits | Collaboration | CSN Event Maps
News | Tools | Our Leadership | Our Stakeholders | Feedback | Contact Us

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Hazardous Situation Awareness Center

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California Traffic



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February
2014

2/24

Storm approaching
Southern California

CSN tracking Weather
reports.
Breaking News posted on
CSN.

2/25

2/25 – News reports
indicate major Storm
event approaching.

CSN tracking Weather
reports.

Alert Posted on CSN.
(Voluntary Evacuations)

2/26

2/26 – CSN Alerts for
predicted
evacuations (Colby
Burn area)

CSN team activated –
Preparedness activities started

CSN Mapping for Colby
burn area gathered.

CSN Breaking news
activated.

2/27

CSN staff fully
activated

CSN staff begin
preparations for high
probability impact areas.

CSN starts
Coordination with LA
County EOC

CSN staff develop maps in
preparation for possible
flooding and landslides.

CSN staff customize Home
Dashboard.

BREAKING NEWS

Feb 24, 2014 5:00 PM

2 to 4 inches of rain expected throughout Los Angeles County in
coming days.

Member Post



Bryan.Morelock@gmail.com

...STORMY WEATHER WITH SIGNIFICANT RAINFALL EXPECTED DURING THE SECOND
HALF OF THE WEEK... A DRAMATIC CHANGE IN THE WEATHER IS EXPECTED THE
SECOND HALF OF THE WEEK AS A COUPLE OF WINTER STORMS ARE FORECAST TO
MOVE ACROSS SOUTHWESTERN CALIFORNIA. THESE TWO STORMS WILL BRING
SIGNIFICANT RAINFALL...HIGH ELEVATION SNOW AND GUSTY WINDS.

Alerts



bryanmorelock@itcrisis.com

Residents in Colby Fire burn area voluntarily asked to evacuate. Colby Fire burn area
includes all properties north of Sierra Madre between the western city boundaries of
Azusa/Glendora (Yucca Ridge) to the eastern boundary of properties on the west side of
the Little Dalton Wash (near Loraine Ave.). These areas have the highest risk of being
impacted by flooding/debris flows from rainfall due to the loss of vegetation from the
foothills.

BREAKING NEWS

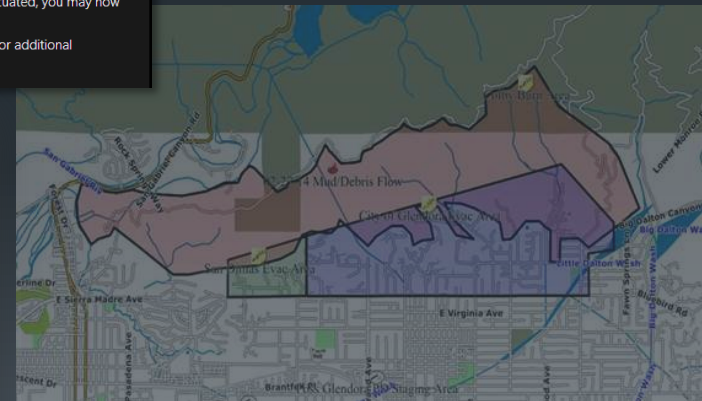
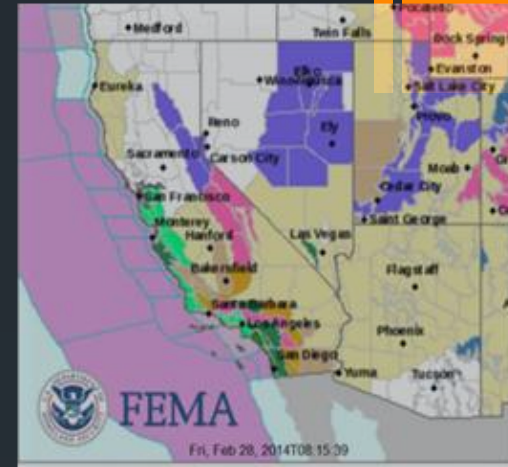
Feb 26, 2014 4:00 PM

City of Glendora on Orange Alert, Voluntary Evacuations ordered
for residents



bryanmorelock@itcrisis.com

The City of Glendora has downgraded to the YELLOW level protocol for the Colby Fire
Impact Area. NO EVACUATIONS are in effect. If you have been evacuated, you may now
go home. We appreciate your patience during this storm. Go to
cityofglendora.org/colbyfire and cityofglendora.org/afterthestorm for additional
information.



2/27

CSN staff fully activated

CSN starts Coordination with Members

CSN staff begin calling CSN member organizations.

Needs / Offers posted prior to the event.

CSN staff create Quick Links pages in preparation for member self service needs.

Member Offers

Filter +

Looking for your loved ones OPEN
Created: Feb 28, 2014 9:10 AM
lylytran@itcrisis.com

The American Red Cross Safe and Well website allows those in a disaster to register their current status for their loved ones to access that information.

Click here for more information.

[Winter Storm](#) Comments (0) ▼

American Red Cross assistance OPEN |
Modified: Feb 28, 2014 9:03 AM
lylytran@itcrisis.com

If you have been displaced by the storm or need assistance, please call the Red Cross at [\(855\) 891-7325](tel:8558917325). The hotline is staffed 24/7.

Click here for more information.

[Winter Storm](#) Comments (0) ▼

Water in cases OPEN
Created: Feb 27, 2014 2:31 PM
terri@itcrisis.com

Walgreen's has a potential offer to donate to shelter's bottled drinking water. They can also support those in need of prescription medications (at their normal costs).

Please contact the ITC at [\(818\) 929-2736](tel:8189292736) with any questions or assistance with this coordination.

[Winter Storm](#) Comments (0) ▼

Welcome, brian.carlson@itcrisis.com (0)

HOME NEWS MAPS MEMBER NEEDS | OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP

Local sites reporting on Storm Activities

Welcome, brian.carlson@itcrisis.com (0)

HOME NEWS MAPS MEMBER NEEDS | OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP

Los Angeles County Road Closures

Welcome, brian.carlson@itcrisis.com (0)

HOME NEWS MAPS MEMBER NEEDS | OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP

Utilities and Public Works

Welcome, brian.carlson@itcrisis.com (0)

HOME NEWS MAPS MEMBER NEEDS | OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP

Evacuation / Shelter Sites

Evacuation and Shelter Sites are updated daily. Sites are provided by the American Red Cross, FEMA, and other government agencies.

Name	Address	City	Zip	Phone Number	Website	Map Link
Crowther Teen and Family Center	241 W. Dawson Ave	Glendora	91740		http://bit.ly/1fuzqbl	http://goo.gl/maps/CBW3j
Monrovia Community Center	119 W Palm Avenue	Monrovia	91016	(626) 256-8346	http://www.cityofmonrovia.org/	http://bit.ly/1bT0uQt
Wonder Dog Ranch (Pet Shelter)	220 Taylor Street	Monrovia	91016	(626) 205-2591	http://www.wonderdogranch.com/	http://goo.gl/maps/SHMEV

Welcome, brian.carlson@itcrisis.com (0)

HOME NEWS MAPS MEMBER NEEDS | OFFERS MEMBERS DOCUMENTS CALENDAR DASHBOARD HELP

Quick Links

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CSN is a consolidated, high-value, trusted source for business and community stakeholders where members can review, share data, and work together to better prepare for, respond to, and recover from man-made or natural disaster events.

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in f t

2/28
5:45 am
CSN staff arrive
at LA County

6:00 am – 6:00 pm
LA EOC activated
at Level 2.

6:00 pm
LA EOC scales
down.

9:00 pm
CSN departs
EOC.

CSN able to coordinate collaboration with EOC representatives.

Situation Reports posted.

CSN team crawling sources for information and updating system. Important updates posted on average every 15 minutes.

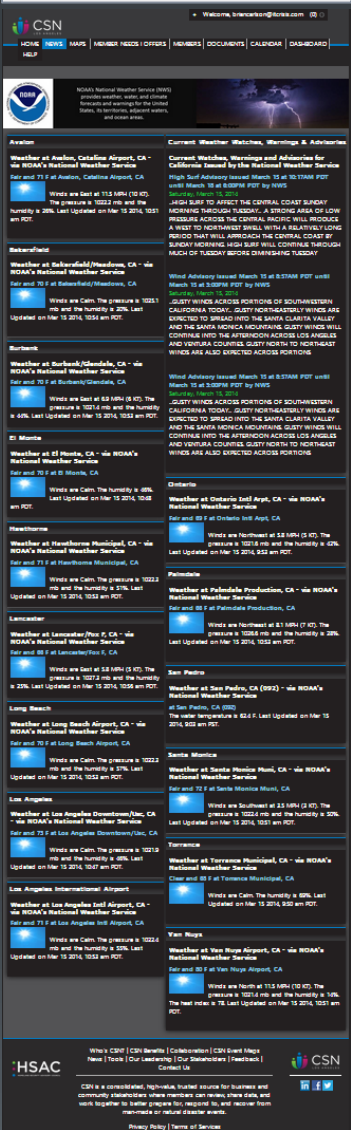
CSN adds interactive
"Severe Weather" map to
track storm cells.

CSN adds interactive
"Traffic" map to track storm
cell impact.

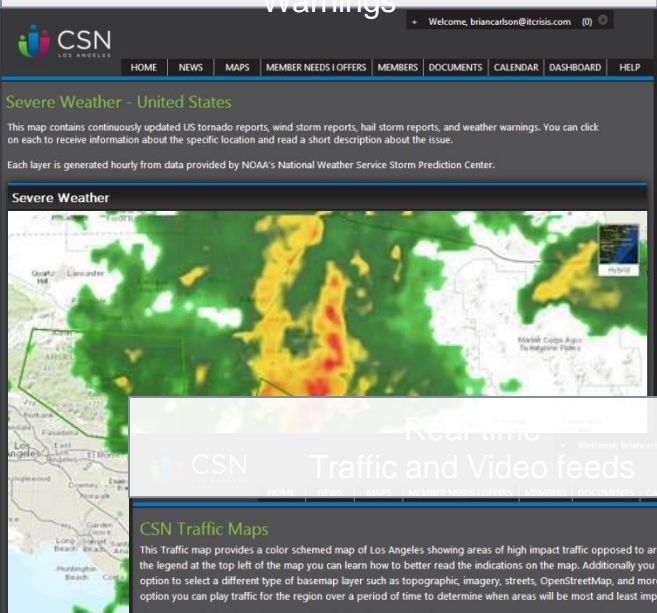
CSN participated in all EOC situation updates.

CSN community updates posted on average 2 hours before public release from EOC.

Real-time weather feeds



Real-time Doppler Radar – Alerts, Watches and Warnings

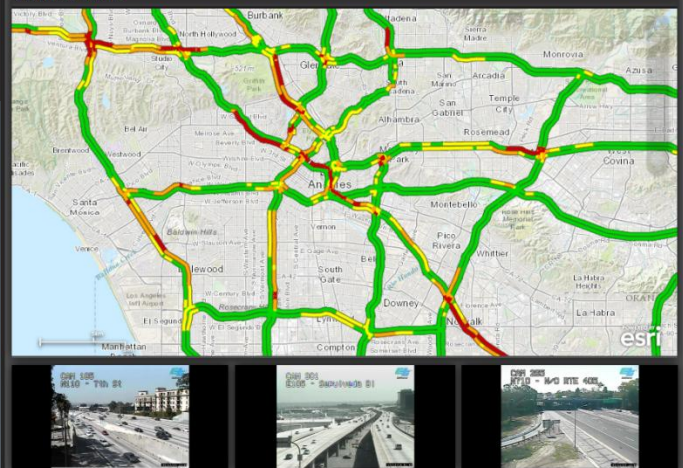


This Traffic map provides a color schemed map of Los Angeles showing areas of high impact traffic opposed to areas of low impact. By clicking on the legend at the top left of the map you can learn how to better read the indications on the map. Additionally you can change the base map option to select a different type of base map layer such as topographic, imagery, streets, OpenStreetMap, and more. Additionally, by using the Time option you can play traffic for the region over a period of time to determine when areas will be most and least impacted throughout Los Angeles.


The Cameras below the main map are live feeds of Los Angeles freeways. Every traffic camera image has a name attached to it indicating the freeway onramp/off-ramp or approximate location to a freeway junction

California Traffic


California Traffic






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HOMELAND SECURITY ADVISORY COUNCIL

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CSN
LOS ANGELES

3 Phase Community Resilience Continuum:



1) Build Community Stakeholder Collaboration

- 15 Sectors: Business, Government, Academic, Faith-Based
- Participation, Collaboration, Trust, Commitment



2) High Value Tools : Community Stakeholder Network (CSN)

- Situational Awareness & Decision Support
- Information Sharing – Utilities, Business, Government, Community
- Dynamic Mapping & Modeling
- Business Intelligence
- ***“Information is as important as Food, Water, or Shelter in a Crisis”***



3) Leadership and Coordination

- Rapid, and Collaborative event response
- Government and Community Stakeholder Sector protocols
- Identify, manage and address immediate and emerging needs
- Creative and High-impact Contributions
- Provide sage advice, guidance, and coordination

Thank You



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