



Yolo Emergency Management

Annual Report 2015-2016



Message from the Emergency Services Director

The Yolo County Office of Emergency Services is the lead agency responsible for countywide emergency management services in Yolo County. The office assists with all hazards disaster preparedness, response, recovery and mitigation efforts throughout the Yolo Operational Area under a Shared Services Agreement with the cities of Davis, West Sacramento, Winters and Woodland, the Yocha Dehe Wintun Nation, and Yolo County Housing.



I am pleased to present to you our 2015-2016 Annual Report. As you will see upon review, we have continued to strengthen our program and progress with our partners in developing a well-structured and synchronized emergency management program throughout Yolo County.

We look forward to another year of ensuring that all of our communities are prepared for all hazards.

Jill Cook
Deputy County Administrator

Mission/Vision

Yolo County and its partner organizations work collectively through an organized planning, preparedness, training, mitigation and evaluation effort to ensure that all of our community is reasonably protected and prepared for all hazards.

Mitigation

Mitigation measures may be implemented prior to, during, or after an incident to help reduce or eliminate long-term risk to persons or property, or lessen the actual or potential effects or consequences of an incident.

In 2016, Yolo County began consultations with CalOES regarding the 2018 Yolo Operational Area Multi-Jurisdictional Hazard Mitigation Plan update. A tentative schedule has been established to begin the update process with a kickoff meeting in the spring of 2017:



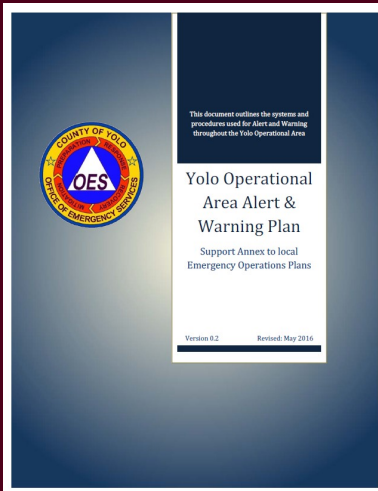
Preparedness

Since it is not possible to prevent or mitigate every hazard that poses a risk, we use preparedness measures to reduce the impact of hazards by taking certain actions before an emergency occurs. Preparedness includes planning, training, exercises and other preparations made to save lives and facilitate response and recovery operations.

FY15-16 focused on enhancing the basic plans with additional annexes including incorporating the existing EOC and EOP structure into the Emergency Support Function (ESF) format. Trainings were held to facilitate the transition to the ESF format and to provide context to the new structure.

Plans

The Emergency Support Function, hazard specific, and functional annexes supplement the EOP by providing details on how specific systems interact with the overall emergency response. After a number of meetings, the following support annexes were completed with a great deal of input from subject matter experts and community members:



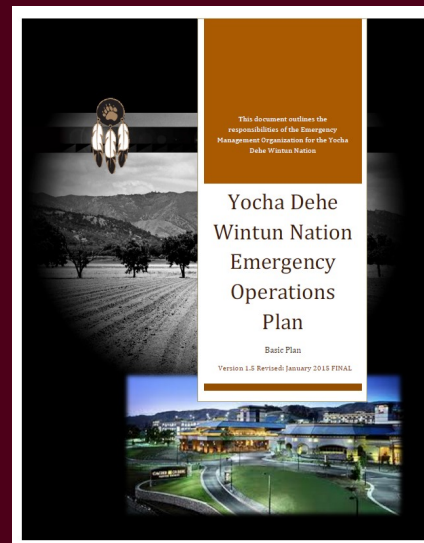
Alert and Warning Support Annex—Discusses the technologies which exist within the Yolo Operational Area for the purposes of alert and warning to the public as well as key information for those constructing messages for these systems.

ESF 3 Annex, Public Works & Engineering—provides information on how the many ESF3 agencies work together to recover infrastructure through the Operational Area.

Annexes are posted for 30-day public comment to encourage feedback from any person within the County as part of FEMA's whole community planning initiative and are maintained on the County's website at:

www.yolocounty.org/OES
(select Reports & Publications link)

In addition to annex development, basic maintenance is done on the existing EOPs. This year the Yocha Dehe EOP and its EOC Annex were updated to reflect changes in Emergency Operations for the Yocha Dehe Wintun Nation.



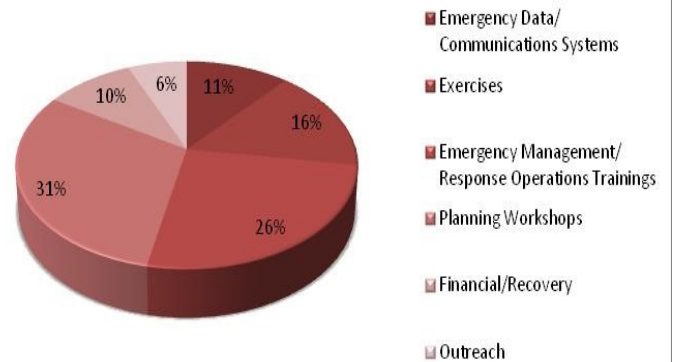
Training

Training provides responders with the knowledge, skills and abilities needed to perform key tasks required during an emergency response of any type. Training decisions are based on information derived from the assessments, strategies and plans developed within Yolo County. This year, many trainings were held throughout Yolo County, some of which include:

- All EOC Sections
- Tribal Weather Drill
- Emergency Support Functions
- Crisis and Emergency Risk Communications for Elected Officials
- Flood Fight
- Emergency Mass Notification Systems

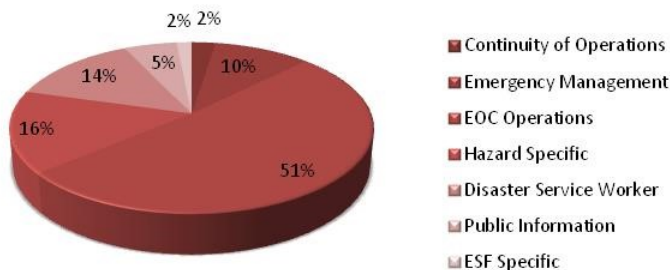
Over 500 personnel were trained this year.

Focus Areas of Training Time Spent



While training is completed across many functional areas in Emergency Management, the 15-16 year had a primary focus of Emergency Operations Center section training. Courses were held in several different jurisdictions so that Emergency Operations Center personnel across the entire Operational Area had multiple chances to get their section training. Moving forward, a full set of these courses will be hosted each fall for new responders and any others who wish a refresher training.

Types of Emergency Training



Exercises

Throughout Yolo County, emergency management professionals attend and conduct exercises on a regular basis to test systems and improve response. Highlights of exercises this year include:

- West Sacramento Tabletop Exercise—this exercise focused on validating and identifying areas for improvement in the draft Flood Response Plan utilizing a flood emergency scenario and dynamic flood mapping application
- Woodland EOC Functional Exercise—this exercise focused on the full activation of the City of Woodland Emergency Operations Center staff in response to an anhydrous ammonia release.
- Yocha Dehe Wintun Nation Active Shooter Tabletop Exercise—this exercise focused on a response to an active shooter/suicide bomber incident at Yocha Dehe Wintun Nation, including integration and coordination with responding agencies.
- West Sacramento EOC Functional Exercise—this exercise focused on the full activation of the City of West Sacramento Emergency Operations Center staff in response to an anhydrous ammonia release.

Over 150 personnel participated in Emergency Management related exercises this year.

An Emergency Operations Center Functional Exercise is a complex exercise designed to provide experience to staff in an EOC environment. Emergency Management staff from multiple jurisdictions assist with providing simulated information to make the exercise environment seem as real as possible to all involved. This year three of these exercises were held within the Yolo Operational Area:



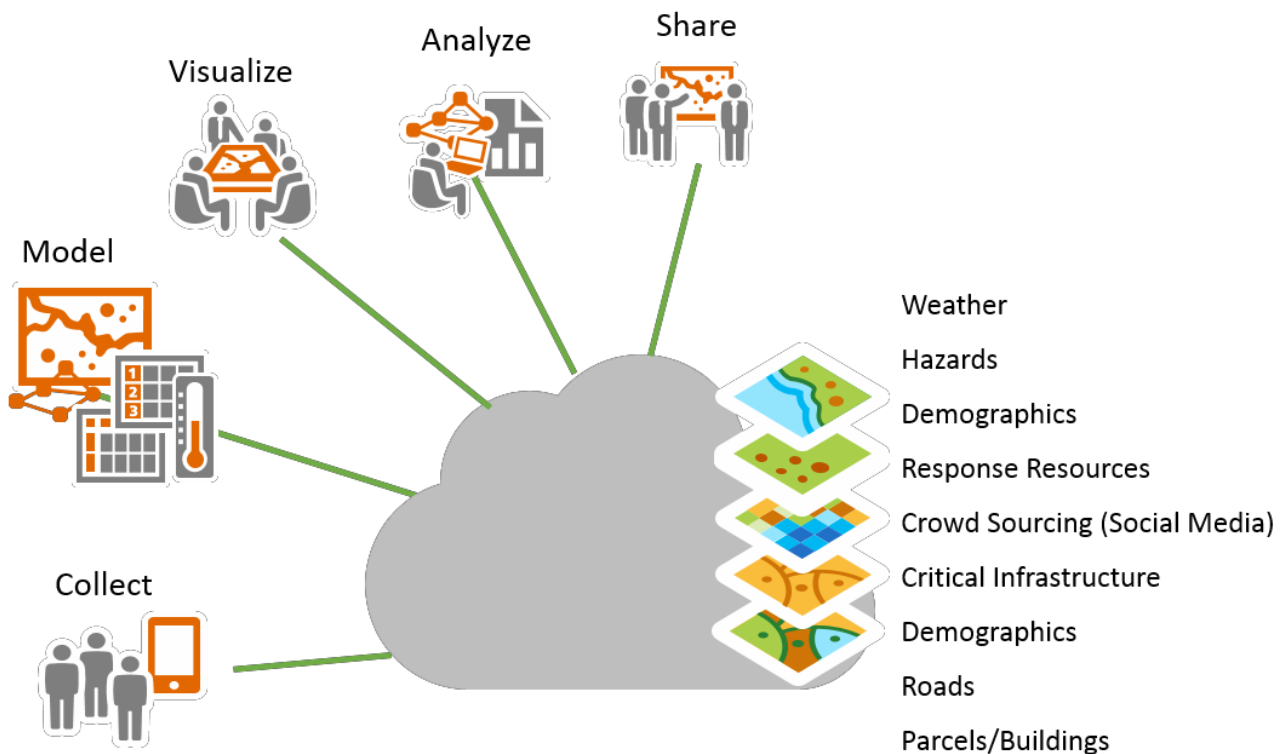
Response Planning

In FY 2016, Yolo County began working with Esri in the development of an Emergency Management Support Platform using ArcGIS. The vision of the Platform is to help the Operational Area prepare for planned events and emergencies, save lives, reduce property loss, and improve recovery efforts. It will enable County staff, leadership, and collaborating agencies to share, coordinate, and facilitate emergency response activities through the use of online web maps and useful apps. The platform is being designed using a three-phased approach:

Phase 1: Define and strengthen Yolo County's Web GIS infrastructure

Phase 2: Configure data and apps to support selected emergency management workflows

Phase 3: Provide outreach consultation and education to collaborating agencies



The platform will provide status updates, rapid data visualization, analysis, and information sharing mechanisms to integrate information from supporting agencies. Yolo County intends to facilitate data sharing across the emergency response community, maintain and enhance its capabilities to manage this data effectively, integrate it, and make it accessible to emergency responders in a relevant and actionable manner.

Response

Response begins when an incident is imminent or immediately after an event occurs. Response encompasses the activities that address the short-term, direct effects of an incident. Emergency Operations Centers throughout Yolo County activate at one of three levels:

- Level 1— Minimum activation is used in an enhanced readiness/monitoring posture to prepare for and monitor an event. It is normally staffed by the day-to-day Office of Emergency Services staff.
- Level 2— Can be achieved as an increase from level one or a decrease from a level three. This structure is used when additional staff are necessary from multiple departments to respond to the emergency, disaster or planned event.
- Level 3—Is inclusive of a full activation of all five of the Standardized Emergency Management System elements.

During the FY2015-2016 year, there were eighteen instances in which Emergency Operations Center staff were activated. In all instances, the jurisdictional agency activated. In several instances, the Operational Area level also activated.

Jurisdiction	Event	Operational Area
	HazMat Spill Notifications x3	Level 1
	Jan 2015 - Drought	Level 1
Woodland & W. Sac—Level 1	Communications Outage	Level 1
County—Level 1	Halon Tank Release	
	Zika	Level 1
County—Level 2	Knights Landing Well Failure	
County—Level 2	Westucky Well Failure	
County & W. Sac—Level 1	Extreme Heat	Level 1
All—Level 1	Winter Storms	Level 1
Winters—Level 2	Wragg Fire	Level 2
Yocha Dehe—Level 2	Rocky Fire	Level 2
Yocha Dehe—Level 2	Jerusalem Fire	Level 2
County—Level 2*	Valley Fire	Level 2*
County—Level 1*	Butte Fire	
County—Level 1	Continuity Activation	
County & W. Sac—Level 1	Amgen & Davis Double Century	Level 1
Davis & County—Level 1	Sanders Rally	
County—Level 1	Creek Fire	

*Activated in support of Mutual Aid Deployments

2015/2016 Wildfire Season

Several wildfires broke out around Yolo County in the summer of 2015. While Yolo County was largely spared from the direct impacts of these fires, fire and emergency response personnel from throughout the County assisted with the response and recovery. At one point, Yolo County fire departments had 17 engines and 48 personnel working on seven wildfires throughout California.

In August, the Rocky fire started in neighboring Lake County, spreading into Yolo County and prompting the evacuation of several remote Yolo County campgrounds. The Rocky Fire eventually merged with the Jerusalem Fire which also started in Lake County near Lower Lake.

Also in August, the Wragg fire (right) began near Lake Berryessa and threatened the western edge of Yolo County. An American Red Cross evacuation center was set up at the Winters Community Center in the City of Winters. A large animal evacuation center was also set up on the outskirts of Winters. The fire was eventually contained just 4 miles west of Winters.



In September, the Valley Fire (below) began in southern Lake County near the Napa County line. During the fire many partners from the Yolo Operational Area supported various aspects of the response:

- The unincorporated community of Brooks in Yolo County served as an air support helicopter base camp with several helicopters working from a field near the Cache Creek Casino.
- Yolo County Office of Emergency Services sent Emergency Operations Center staff to the Lake County Emergency Operations Center
- Yolo County Sheriff's Office Animal Services Officers and the UC Davis Veterinary Emergency Response Team assisted with animal care and evacuations



The 2016 fire season began with a mild start for Yolo County. The Creek Fire began 4 miles south of Brooks near the Cache Creek Casino on June 27th, eventually growing to 277 acres before it was fully contained. No structures were damaged and there were no injuries as a result of the fire.

Recovery

The Rocky and Jerusalem fires burned a total combined 94,556 acres over the summer of 2015. Ground surveys have been conducted to assess the state of their eastern burn scars, and the landscape has shown significant recovery. New vegetative growth has been observed throughout the area and no significant landslides have been observed from winter rains as a result. This highlights how the ecological integrity of California's woodlands can be preserved in congruence with wildland fire, and suggests ways that effective fire management can support natural ecosystems while reducing the fuel loading that can lead to catastrophic wildfires in the future.

A significant restorative effort was also undertaken to return the site of the temporary County Road 40 bridge over Cache Creek back to normal. The bridge was temporarily erected next to the permanent low-water bridge during the summer of 2015 to assist emergency vehicles in reaching the fires. The area surrounding the site has been restored to its natural state.



Groundwater Assistance Program

California is currently in its fourth year of drought, and efforts continue throughout Yolo County to assist residents and their economic enterprises with water needs through the Groundwater Assistance Program (GAP). The Yolo County Flood Control and Water Conservation District has been instrumental in these efforts, working with the Yolo County Office of Emergency Services to provide needed supplies in short order during several well failures that have occurred in the County over the past year. The Yolo County Community Services Department Environmental Health Division has also worked closely with the California Environmental Protection Agency State Water Resources Control Board to test groundwater and acquire financial assistance for emergency well repairs. These efforts show how strong collaboration and coordination amongst numerous Yolo County agencies and the State of California through GAP can provide needed water services in an effective and efficient manner to the citizens of Yolo County.

Grant Funding and Management



FEMA



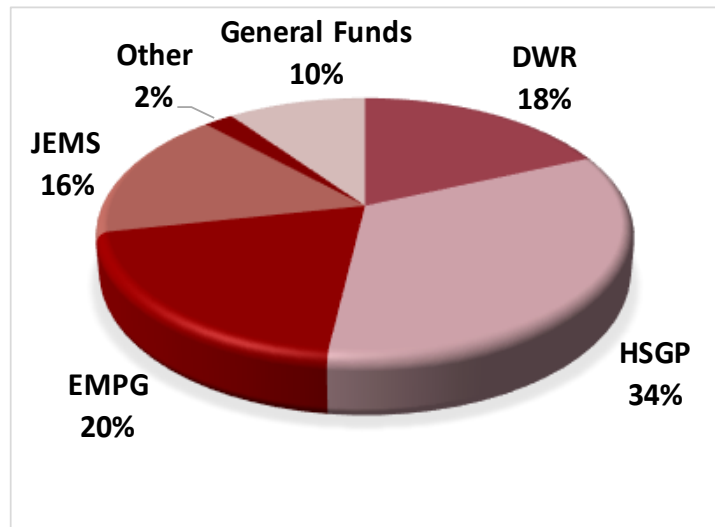
Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

The main funding sources for the Yolo County Office of Emergency Services (OES) and Operational Area (OA) are the Emergency Management Performance Grant (EMPG) and the Homeland Security Grant Program (HSGP), as well as local agencies.

The federal grant funds originate from the U.S. Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), and are passed through the California Governor's Office of Emergency Services (CalOES) to the County.

Funding from our Joint Emergency Management Service (JEMS) partners and County general funds serve as the match required for the EMPG.

Department of Water Resources (DWR) grants are funded by the State.



The majority of HSGP and DWR grant monies are distributed to subgrantees and contractors.

General funds are used for expenditures not covered by grants.

Emergency Management Performance Grant

The purpose of the Emergency Management Performance Grant (EMPG) is to sustain and improve comprehensive emergency management programs at the state, tribal, and local levels from all man-made and natural disasters through the prevention, mitigation, response, and recovery of all hazards events. The EMPG helps government agencies obtain the resources required to support the National Preparedness Goal's associated mission areas and core capabilities.

Yolo County OES was awarded \$168,228 in EMPG funds for FY2015-16. This helped fund the Emergency Services Coordinator, Planner, and Grants Administrator positions; operational costs associated with emergency management; and consulting services to develop exercise videos.

Homeland Security Grant Program

The purpose of the Homeland Security Grant Program (HSGP) is to prevent terrorism and prepare for the threats and hazards that pose the greatest risk to the security of the United States.

Using the core capabilities, the HSGP supports the achievement of the goal by:

- Preventing a threatened or an actual act of terrorism;
- Protecting our citizens, residents, visitors, and assets against the greatest threats and hazards;
- Mitigating the loss of life and property by lessening the impact of future disasters;
- Responding quickly to save lives, protect property and the environment, and meet basic Human needs in the aftermath of a catastrophic incident; and/or
- Recovering through a focus on the timely restoration, strengthening, and revitalization of infrastructure, housing, and a sustainable economy, as well as the health, social, cultural, historic, and environmental fabric of communities affected by a catastrophic incident.



FY2015-16 HSGP Projects:

The majority of the \$285,193 awarded to Yolo County through the FY2015 HSGP was distributed to local jurisdictions. At least 25% of the funds must be dedicated to Law Enforcement Terrorism Prevention-oriented Activities, and 5% is dedicated to grant management and administration. Projects are selected by five representatives from Fire, Law Enforcement, and Health.

Projects funded through the FY2015 HSGP include the following:

- West Sacramento Fire Department: CERT Academy Training and Backpacks (\$6,240)
- Yolo Emergency Communications Agency: Uninterrupted Power Supply (\$100,000)
- Yolo County Sheriff and Four City Police Departments: Portable Radios (\$108,000)
- Yolo County Operational Area: Emergency Operations Center Audio Visual Equipment (\$21,301)
- Yolo County Operational Area: West Valley Regional Training Consortium (\$10,000)
- Yolo County, Four Cities, and Yocha Dehe: Everbridge Mass Notification System (\$25,393)

Flood Emergency Planning & Response Grants

The County of Yolo received a \$1,173,000 **Flood Emergency Response Project - Delta grant** from the State of California Department of Water Resources (DWR), for a term of January 2015 through December 2017. The Project is funded through California Proposition 1E (Disaster Preparedness and Flood Protection Bond Act of 2006) to improve local flood emergency response. Partners for this Project include more than a dozen Levee Maintaining Agencies and Reclamation Districts along the Sacramento River.

Services include developing local Flood Emergency Plans; revising the County Emergency Operations Plan and Hazard Mitigation Plan (flood component); creating flood contingency, public safety and citizen maps; and creating and facilitating related training for local agencies.

The Project is administered by OES staff who facilitate planning activities, assist in task implementation, and oversee consultant work. Yolo County contracts with Kjeldsen, Sinnock, and Neudeck, Inc. (KSN) for \$890,000 to perform engineering, plan development, GIS, mapping, and other specialized work.

An additional \$393,500 **Flood Emergency Response Project – Statewide grant** was awarded by DWR, for a term of July 2016 through May 2019, to provide similar flood planning and response services throughout the County. The project is funded through California Proposition 84 (Public Resources Code). Partners for this project include the cities of Woodland, West Sacramento, Winters, and Davis, as well as the Yocha Dehe Wintun Nation and several unincorporated communities. \$355,000 is contracted to KSN for engineering, plan development, and GIS services.

Other Grant Assistance



The Grants Administrator provided assistance to JEMS partners in applying for and successfully obtaining the following grants:

- **Assistance to Firefighters Grant (AFG):** \$1,121,873 for Self-Contained Breathing Apparatus (SCBA) units, fill stations, and related equipment. Partners include West Sacramento (lead agency), Davis, and Yocha Dehe Fire Departments, as well as Madison, Yolo, Zamora, Esparto, Knights Landing, West Plainfield, and Elkhorn Fire Protection Districts.
- **Tribal Homeland Security Grant:** \$89,381 for equipment for the Yocha Dehe Technical Rescue and Tactical Response Training Site, supplies for a related exercise (fire and police), and SCBAs.
- **Tribal Emergency Management Performance Grant:** \$6,153 for supplies and salaries for an Emergency Management Exercise for Yocha Dehe Wintun Nation.

Shared Services = Partner Successes

As the Joint Emergency Management Services agreement grows, the members have each had a successful year focusing on the emergency management needs of their respective jurisdictions.



City of Davis

The City of Davis ran a joint exercise with the Sacramento Municipal Utilities District (SMUD) at the Davis Emergency Operations Center. Departments within the City began to gather data for their independent Continuity of Operations plans.



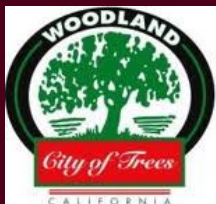
City of West Sacramento

The City of West Sacramento continued their active role in city-wide flood emergency response planning and hosted a multi-jurisdictional Tabletop exercise to strengthen partnerships with other response agencies who would be involved in a flood fight response..



City of Winters

The City of Winters responded for the second year in a row to a large fire. The Wragg fire response built on the lessons learned from the Monticello fire and highlighted new partnerships with a very successful response to large animal evacuations.



City of Woodland

The City of Woodland participated in a full Emergency Operations Center activation exercise to test their recent training and to inform the revision of their EOP. The exercise was based on an anhydrous ammonia release in Woodland. An after action and improvement plan was developed to implement changes found from the exercise.

Yocha Dehe Wintun Nation

Tribal cultural monitors played an integral role in the deployment of a temporary bridge for response to the Rocky and Jerusalem fires. They were on hand to work with responders to ensure cultural site preservation.



Yolo County

In addition to another busy year of activations within Yolo, and major EOC exercise was held during the California Great Shakeout that tested all three shifts of the County's Emergency Operations Center staff.



Yolo County Housing

Yolo County Housing took charge of organizing residents within their properties to form a team of individuals who can quickly respond to other neighbors.



Looking Forward...



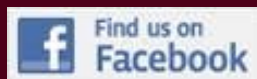
The next year promises to bring additional coordination efforts for all partners in Yolo County. Under the Joint Emergency Management Agreement, partners will be engaged in all five phases of emergency management: prevention, mitigation, preparedness, response and recovery. Some projects slated for the year include:

- Developing and implementing the four City Emergency Operations Plans
- Continuing to develop Flood Hazard Annexes and flood fight maps with our local and reclamation district partners.
- Analysis of local financial systems for alignment with the Federal Public Assistance program
- Emergency Operations Center Section Specific Training
- An Integrated Emergency Management Concepts course offering
- Continue Continuity planning
- Develop Volunteer and Donations Management Annex

Be Prepared

Remember to help all of our emergency management professionals by preparing yourself and your family for an emergency or disaster:

Be Informed - Follow the Yolo County and your City on Facebook and Twitter



Sign up for the Mass Notification System:
www.Yolo-Alert.org

Make a Plan - Develop a family communications plan or Shelter-in-Place plan.



Visit FEMA's www.ready.gov to print your kit lists and get plan templates

Get Involved - Join one of the local Community Emergency Response Teams (CERT)



Build a Kit - Buy one new item each week for your preparedness kit



www.YoloCounty.org

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