



2017 Annual Report

Sacramento County
Office of Emergency Services

Executive Summary

hile
natural disasters
capture headlines
and national
attention shortterm, the work of
recovery and
rebuilding is long-

- Sylvia Mathews Burwell

term"

The Sacramento County Office of Emergency Services (SAC OES) is responsible for emergency preparedness for the County and the Operational Area. We are tasked with creating a safer county and region by collaborating with our stakeholders to increase our ability to prepare for, respond to, and recover from natural or man-made disasters and emergencies. SAC OES coordinates with local, state, federal, private, non-profit entities, and community groups to minimize the impact of all potential hazards facing the County of Sacramento.

Sacramento County experienced its first series of Federal Disaster Declarations in 10 years when a series of severe winter storms passed through the region in January and February causing extensive flooding and wind damage in the county. Local government response to the storms was significantly strained resulting in the proclamation of a local emergency. State and federal assistance was also requested and received under the California Disaster Assistance Act and three Stafford Act Federal Declarations. The southern part of the county suffered the worst damages with most of the Reclamation Districts throughout the Delta experiencing significant levee damage. Recovery from these events is ongoing and expected to continue into next year.

We strengthen our preparedness through comprehensive disaster planning, hazard identification & risk assessment, hazard mitigation, protection of critical infrastructure, and enhancement of community preparedness. SAC OES manages the response and recovery efforts of the county and the region at the Emergency Operations Center (EOC). We facilitate this effort by improving interagency coordination and information sharing, resource management, and emergency public information and warning.

One of our goals in emergency management is to continuously look for opportunities to improve and strengthen our capabilities. Starting in 2015, we implemented a new and more robust training and exercise program. With higher than normal attrition rates occurring in our region, it became critical that we intensify our focus on training needs so we committed almost \$50,000 dollars towards emergency preparedness training courses. Unfortunately, the disasters that occurred in our County in January and February required us to postpone most of the training course scheduled to be offered in the first half of the year. Some of the courses delivered included:

Everbridge course Disaster Finance

CSTI PIO course G290/291
WebEOC Training

Plan revision was another goal we committed to last year. Through general funds, Homeland Security and U.S. Department of Water Resource grants, we completed the revision of three plans in fiscal year 2016-17: the Emergency Operations Plan, Mass Fatality Plan and the Hazard Mitigation Plan. This last year we developed a strategy for increasing the number of plan revisions to between six and eight plans per year and the incorporation of exercises to test and validate the plans.

Having experienced the disasters as well as the unanticipated cascading events over this past year has renewed our office's commitment to incorporate new lessons and improvements while deepening partnerships so that we stand ready to serve the community into the future.

Stephen Cantelme Chief of Emergency Services

OES Staff

STEPHEN CANTELME

Oversees the Office of Emergency Services ensuring that the Emergency Operations Center is ready for activation 24/7.

DAVID GIESELMAN

Provides administrative services and logistical support for the Office of Emergency Services.

ROGER INCE

Coordinates emergency planning efforts in the Delta, including flood and risk assessment and mitigation planning. Oversees areas involving public health and disease outbreak planning. Supervises the county Medical Reserve Corps and is a liaison to the cities of: Rancho Cordova, Elk Grove, Galt and Isleton.

MARY JO FLYNN

Oversees planning, training and exercise design and delivery. Oversees public education, including the OES social media program and development of the JIC, GIS and technology. She is a liaison for the cities of: Citrus Heights, Folsom and Sacramento as well as county school districts.

MATTHEW HAWKINS

Responsible for development of Mass Care and Sheltering team and Response program. Serves as the Operational Area WebEOC Administrator.

SARAH GALLIMORE

Coordinates the OES purchasing and budget, contracts, board letters and resolutions.

ADELINA ANA

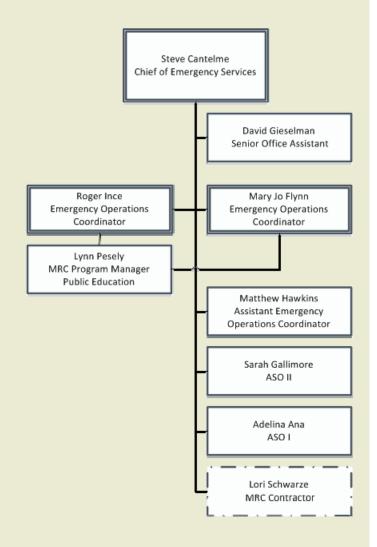
Serves as the Operational Area grant administrator.

LYNN PESELY

Manages the county Medical Reserve Corps volunteer program and Disaster Public Education programs.

LORI SCHWARZE

Supports the Medical Reserve Corps volunteer program and administrative support.



January and February 2017 Storm Response

From January 3, 2017 through February 23, 2017 Sacramento County was impacted by a series of Atmospheric Rivers and storms. These storm systems cumulatively impacted the region resulting in ever-increasing damage throughout the duration. Even as river levels dropped slightly, the County continued to see flooded areas and respond to levee issues and emergency work.

Water from storm systems, king tides, releases, and runoff into the watershed impacted several areas of Sacramento County, specifically: Rio Linda, Point Pleasant, Glanville tract, Wilton, and the southern portions of the County. Voluntary evacuations took place while people were rescued from their homes in Point Pleasant. Water-damaged levees caused breaks and overtopping while numerous roadways were flooded.

A private levee failure within San Joaquin County caused flooding to New Hope Road through March 2017. Heavy soil saturation weakened the ground near trees and power poles and significant high winds caused numerous outages throughout the county—some lasting as long as 48 hours. Public utility crews spent excessive work hours responding to downed trees and limbs, and fire crews and equipment were completely tasked either on standby or response to downed power lines. Volunteer fire crews augmented this effort.

The County proclaimed an emergency for the storms and subsequently received a State proclamation and Federal Declaration. The Federal disasters: DR-4301, DR-4305 and DR-4308 enable reimbursement for public projects. The Presidential declarations allow for Public Assistance (assistance to public agencies) and did not allow for Individual Assistance (assistance to individuals and families).

WIND TO SERVICE TO SER

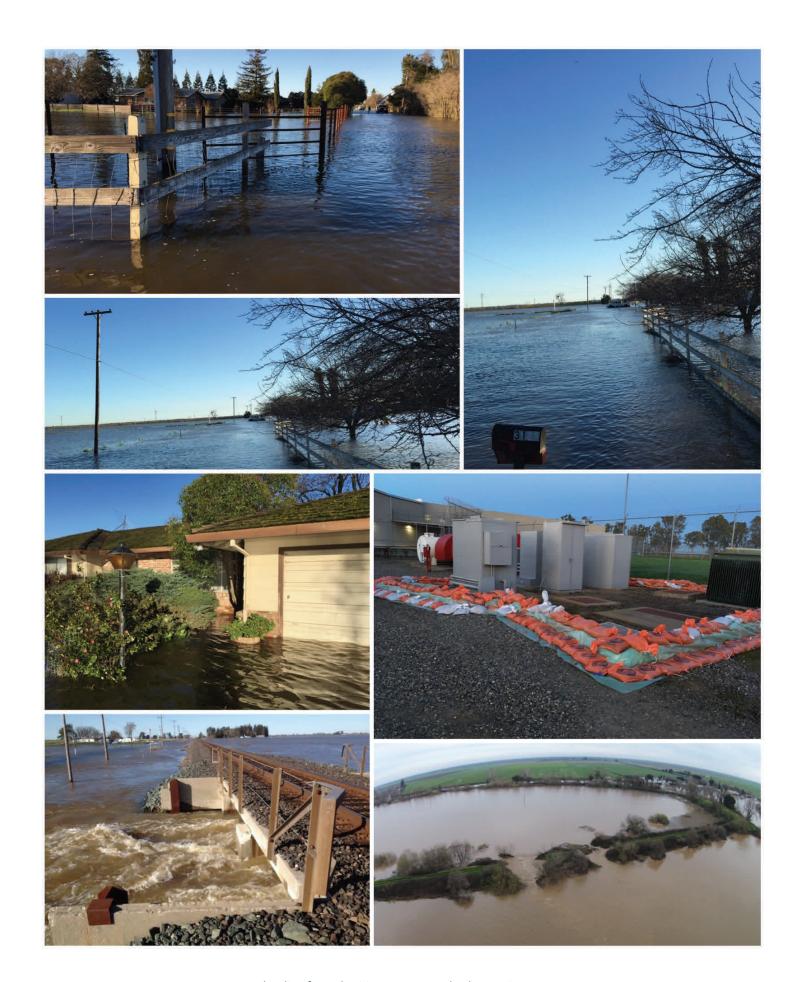
Key Successes

- The briefing call held each morning helped to orient staff
 to the day's conditions and anticipated risks and allowed
 for decision making and planning for that operational
 period. It was a key opportunity to connect with the field,
 and share information and assist with resource requests.
- Air resources were made available by Sacramento Sheriff, California Highway Patrol and Sacramento Metro Fire to support situational awareness in the Emergency Operations Center and to gather photographs and data for archival purposes.

Key Recommendations

- The identification of additional personnel and the establishment of a training schedule. All EOC personnel should seek Cal OES Type III Position Credentialing to confirm their knowledge, skills and abilities for their assigned position.
- Development of a Job Specification or Job Analysis sheet for each EOC Position that identifies Knowledge, Skills, and Abilities so Department Managers have better tools to recommend appropriately skilled individuals for specific EOC positions and functions.
- Work with Department Managers to recruit and train individuals to EOC positions and work to ensure that they may remain in that position for a period of time (3-5 years) to reduce the knowledge decay and atrophy of personnel through constant rotations of new people.





Flooding from the 2017 January and February Storms

Training & Exercises

Federal grant compliance requires adoption of the National Incident Management System (NIMS). The County Board of Supervisors has agreed to this guideline through the adoption of the Emergency Operations Plan and the County Operational Area Plan. NIMS compliance requires adherence to the following training:

IS-100 Introduction to the Incident Command System

IS-700 National Incident Management System (NIMS)

IS-200 ICS for Single Resources and Initial Actions

IS-800 National Response Framework

IS-300 Intermediate ICS for Expanding Incidents

IS-400 Advanced ICS for Command and General Staff

In an effort to bolster California and the nation's emergency management mutual aid capabilities, the State, through the California Specialized Training Institute (CSTI), has approved requirements for Emergency Operation Center position credentialing and typing.

While credentialing will allow personnel to participate as a state-wide mutual aid resource, this minimum criteria also allows Sac OES to establish a baseline of transferable skills for a variety of positions within the organization. Preparing Sac OES personnel serving in the EOC through these minimum training standards will only further the organization's position should credentialing or minimum standards ever become tied to funding or reimbursement.



10

Classes Offered



289

Students Trained



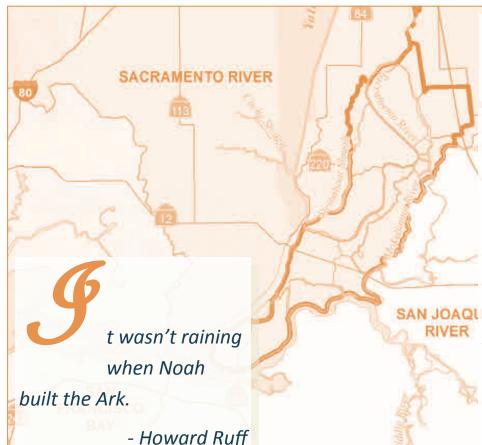
8

Exercises Offered



919

Exercises Players



Reclamation Districts

Sac OES has completed 18 Emergency Safety Plans (ESP) each of which includes: a Reclamation District's (RD) area, an evacuation map for each RD, and an evacuation map for the entire Delta area of Sacramento County. Additionally, an ESP with maps and evacuation maps for RD 800 and Maintenance Area 9 were developed.

Sacramento Delta RDs and Engineering Firms completed ICS training in the spring. Sac OES purchased sixteen (16) 800 MHz radios (delivered in early January 2017) for RD 1000 and American River Flood Control District thereby enhancing their levee patrols. County Department of Water Resources upgraded 20 stream gauges across the county during the fall of 2016.

Emergency Management Mutual Aid (EMMA)

The purpose of the Emergency Management Mutual Aid (EMMA) program is to support disaster operations in affected jurisdictions by providing credentialed professional emergency management personnel. Our involvement in the EMMA program allows Sac OES and Emergency Operations Center personnel to gain, validate and memorialize, valuable skills for and during deployment, as well as, to receive reciprocal services from participating jurisdictions (across local, regional and national boundaries) when our local need grows beyond our operational capacity.

Sacramento County OES participates in the State (EMMA) program both as a deployed resource and subject matter expert (the latter specifically for the re-write of the State EMMA Plan). The 2017 EMMA plan is in the process of guideline and processes finalization, and approval, by the State.

In 2015, Sac OES staff were sent to both Lake and Calaveras Counties to support their operational emergency management needs through mutual aid. Furthermore, in support of the 2016 Clayton Fire — which was a wildfire intentionally started on August 13 just south of Lower Lake in Lake County, CA. — Sac OES Emergency Operations Coordinator, Mary Jo Flynn, was deployed and effectively served as a mutual aid Public Information Officer from August 16—19.



Mary Jo Flynn assigned as a Mutual Aid PIO to Lake County

OES Duty Officer

Sac OES Coordinators (serving as Duty Officers) are on-call 24 hours a day, 7 days a week to respond to incidents throughout the County. They respond to calls ranging from Hazmat, large structure or wildfires, rain events and to major incidents that may require coordination and assistance from OES, but may not trigger activation of the Emergency Operations Center.

When in the field, Duty Officers may support an Incident Commander with logistics needs, pre-activation coordination, and provide for timely and accurate public alert and warning, including information that may be disseminated on social media.

During after-work hours, Duty Officers coordinate elements of an EOC response. During the June 2017 Heat Wave the Duty Officer worked with several coordinating agencies to mitigate the effects of power loss to two senior living facilities and a hospital. During the winter season, Duty Officers, with the assistance of Sac OES support staff, delivered crucial logistical supplies to warming centers that requested support utilizing specific County allocated funding for food and water.





Fire damage to an historic structure from the Clayton Fire

Planning Documents

Throughout 2017, several foundational planning documents were updated and approved to include: an Emergency Operation Plan, a Mass Fatality Plan and a Hazard Mitigation Plan. We are on course to finalize the Continuity of Operations Plan by the end of the 2017 calendar year.

Every year our office endeavors to update various emergency plans. While having a written document is significant, the process of coordinating and collaborating *on* the plan is what enables various departments and partners to be successful when that plan is put into action.

FEMA has identified the planning process as a vital mechanism to bring partners together in advance of emergency or disaster incidents.

The plans that will be undertaken for the FY 17/18 include:

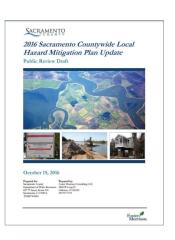
Funded:

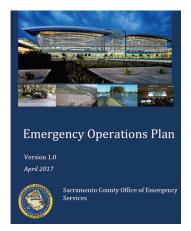
Operational Area Plan

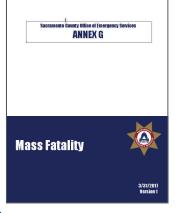
Evacuation Plan

Unfunded but planned:

Volunteer Management Plan
Warning and Communications
Severe Power Outage Annex
Regional Recovery Annex
Local Assistance Center SOP







Weather Relief Locations



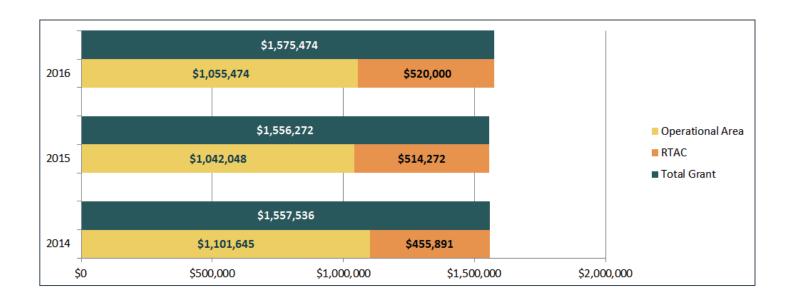


	COOL	WARM
NUMBER OF LOCATIONS OPENED	12	11
NUMBER OF INDIVIDUALS SERVED	475	1120
NUMBER OF STAFF AND VOLUNTEERS	26	110
NUMBER OF VOLUNTEER HOURS	91	816

Sac County Cooling Centers Centers may open when conditions are expected for more than 3 consecutive days Davtime nest index above 106%; and Minimum righttime temperatures 75% or higher May right frep Avg right frep

Official Sacramento County OES Weather Relief
Centers are opened in accordance with the Severe
Weather Annex to the County Emergency Operations
Plan in coordination with our city, faith-based, and
non-profit partners. The County Public Health Officer
has a process through which they review the annex
that determines activation guidelines for severe
weather related events that may cause a public
health concern.

Homeland Security Grants



Grant Projects

AGENCY	PROJECT	AMOUNT FUNDED
County of Sacramento Regional Radio Communication System	P25 Radio Upgrades	\$444,500
Sheriff Department	RTAC/CCIC	\$520,000
Sacramento Fire Department	Regional Personal Water Rescue Gear	\$60,000
Sacramento County Office of Emergency Services	Area Operations Plans	\$44,500
Community Link Capital Region	HandsOn Sacramento and 2-1-1	\$40,000
Medical Reserves Corps	MRC	\$40,000
Sacramento County Office of Emergency Services	Emergency Management Training	\$51,000
Sacramento County Office of Emergency Services	Emergency Management Exercises	\$24,000
City of Sacramento	Disaster Plan	\$25,000
Sacramento Police Dept.	Night Vision Goggles	\$29,675
DHHS- Public Health	Personal Protective Equipment	\$27,921
Folsom Police Dept.	Tactical Dispatch Training	\$6,204
Sacramento County Office of Emergency Services	Alert and Warning System: Everbridge	\$183,900
Total Allocation		\$1,312,800

Homeland Security Grants

The Sac OES is awarded funding via the State Homeland Security Grants Program (SHSGP) on an annual basis. The purpose of the grant is to prevent terrorism and to prepare the Nation for the threats and hazards that pose the greatest risk to the security of the United States; therefore, all SHSGP funded investments must have a terrorism nexus. The SHSGP does not have a match requirement. In 2015, Sac OES was awarded \$1,556,272 from SHSGP. Out of the total amount, \$514,244 (33%) was awarded to the RTAC (Sheriff's Department) in accordance with the 25% Law Enforcement Terrorism Prevention Program (LETPP) grant requirement. In 2016, Sac OES was awarded \$1,575,474 (a 1.2% increase from the previous year) from SHSGP, of which the RTAC was awarded \$520,000, a 33% allocation of the grant to law enforcement.

The Sacramento Fire Department (SFD) was awarded \$60,000 in 2016 SHSGP grant funds in partnership with the Sacramento Metropolitan Fire District, Cosumnes CSD Fire Department, and Folsom Fire Department, to implement a regional personal water rescue gear (PWRG) replacement program. A result of which will: strengthen response to emergency medical needs; public health preparedness/emergencies; enhanced protection of critical infrastructure and key resources; and increased catastrophic incident planning, response, and recovery. Funding for the purchase of 38 complete sets of PWRG, outfitting eight (8) rescue boats and three (3) heavy rescues, culminate as a force multiplier to the five (5) rigid hull inflatable boat purchase made possible by SHSGP13 and SHSGP14 funds.

Sacramento Regional Radio Communications System (SRRCS) was awarded \$444,500 in FY 2016 SHSGP grant funds to help pay for the relocation of the Walnut Grove radio equipment to Station 32. SRRCS will contribute the remaining \$350,000 needed to complete this project. Additionally, SRRCS grant funds will also go towards replacing their obsolete MOSCAD system (the diagnostic system hardware and software currently use to detect and report system problems at the radios sites).

The Sacramento Fire Department (SFD) (serving a population of approximately 470,000 residents) utilized 2015 SHSGP funding in the amount of \$54,196 to strengthen its Technical Rescue

B

ad things do happen in the world, like war, natural disasters, disease. But out of those situations always arise stories of ordinary people doing extraordinary things.

~ Daryn Kagan

Program through the replacement of aging regional assets that are either outdated, or made obsolete. This equipment increases the operational capabilities of SFD in the following incident types: commercial vehicle and heavy/light rail, structural collapse, high angle rope rescue, and confined space rescue.

Funded at \$50,000 through the 2015 SHSGP, the California Fire Rescue and Training Authority (CFRTA) developed three high-priority, multi-discipline exercise scenario templates to be used regionally to exercise core capabilities. The scenarios identified for development are wildfire, chlorine tanker accident, and radiological dispersal device. The scenario will be deployed onto the California Exercise Simulation Center (CESC) system, a state-of-the-art exercise and research facility operated by CFRTA, thereby becoming a resource for regional and state emergency planners to test and evaluate plans.



ARES Volunteers

ARES has been a long standing partner with Sacramento County OES. In the past 3 1/2 years this relationship has become even stronger.

ARES members have been involved in monitoring severe weather events, AMGEN bike races, assisting with radio communication support for the Tri-Annual Full Scale Exercise at SMF, and partnering with our Medical Reserve Corp (MRC) as the communication unit for their events.

ARES's mission is to provide Amateur Radio communication during disaster event. Although Sacramento County utilizes the 800 MHz radio services across the county, it is a very robust system, there are on a few occasions radio failure. In addition, our dependence on cellular phone leaves our citizens vulnerable when a disaster event occurs. In the early hours of a disaster cell phones, and cell services become overwhelmed and have limited to no service.

ARES members are volunteers who are licensed by the FCC.

Sacramento Medical Reserve Corps



1,162

Donated Hours



\$33,070

Value of Donated Time

*independentsector.org Value of a Volunteer Hour, CA 2016



125

Volunteers



2,900

Citizens reached

The Sacramento Medical Reserve Corps (SMRC) engages volunteers to strengthen and support Sac OES, Fire, Law Enforcement, Public Health and other medical agencies when a disaster event impacts our community. Our volunteer members are Doctors, Registered Nurses, Medics, and medically trained support staff whom are currently employed or retired individuals. Volunteers help people in need during disasters and support our emergency response partners as well as with exercises, flu clinics, health screenings, and first aid stations throughout the year.

The SMRC is active in emergency response efforts that have included: floods, the Oroville Dam spillway incident, the U.S. Track and Field Championships, and support at warming and cooling centers. The SMRC also staffs first aid stations at large public events including the Capitol Air Show, the CA International Marathon, and the Run with the Cops 5K—all events that are well attended and are at risk for emergency incidents.

Throughout the year the SMRC promotes emergency preparedness at the CA State Fair as well as government, corporate, and community preparedness events. SMRC has partnered with: Safetyville U.S.A., CA State Departments of Food and Agriculture, Franchise Tax Board, California Lottery, Office of Emergency Services, Socials Services, State Prison, Transportation, and Veteran's Affairs, Kaiser South Sacramento, and Sacramento County Sheriff's Department. The SMRC has supported preparedness efforts by participating in exercises, providing patient tracking, and moulage (to simulate injuries) for exercises for the Sacramento County International Airport, Statewide Medical and Health Exercise, CA Highway Patrol Academy, and CA Emergency Medical Services Authority and Sutter Roseville Hospital.

Training is continuous, so that our volunteers maintain a state of readiness and the ability to respond to incidents throughout the year. To keep our members trained and ready for deployment, the SMRC offers monthly training meetings at Shriners Hospital for Children, Northern CA. This year a new training on operation of the County Office of Emergency Services Water Trailer was added. This trailer is available to purify water for communities in need. Annually all members must maintain their CPR for the Professional, First Aid, START Triage, Psychological First Aid as well as other appropriate trainings. In addition, our SMRC supported future health professionals by judging the Health Occupation Students of America Statewide Competition.

In June, our Sacramento Medical Reserve Corps Foundation was honored as 2017 Nonprofit of the Year by CA State Senator Ted Gaines.

First Aid Booths



- Capital Air Show
- CA International Marathon
- Run With the Cops 5K

Emergency Assistance



- WarmingCenters
- Cooling Centers
- Winter Stormsand Floods
- OrovilleSpillwayEvacuations
- U.S. Track & Field Championships













WebEOC Administration

The Sacramento County Office of Emergency Services retains full administrator rights in WebEOC® while representatives from the cities and county departments have been trained on partial-administrator functions. Approximately 59 representatives throughout the Operational Area (OA) retain partial administrator permissions

www	83 Partial Admins	41%
L	1239 WebEOC Users	29%
	44 Hours of training	13%
Sis	12 WebEOC Activations and Drills	9%

here is no harm in hoping for the best, as long as you are prepared for the worst.

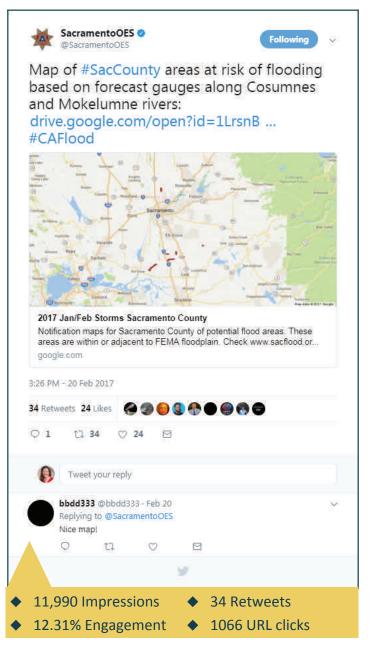
~Stephen King

Days of storm related activation for WebEOC and the EOC between January 3 and February 23, 2017.

Social Media Outreach

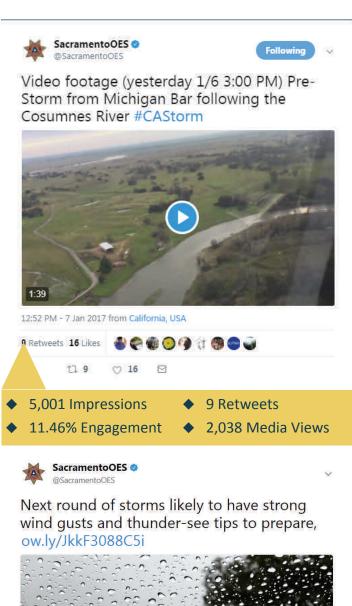
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3727	4,727	2,281	19	110	16	203K
Followers as of June 30, 2017	Followers as of June 30, 2017	Video views as of June 30, 2017	Followers as of June 30, 2017	Followers as of June 30, 2017	Followers as of June 30, 2017	Members as of June 30, 2017
170% Growth in followers	439% Growth in followers	4,105 Minutes watched during FY 16/17	28% Growth in followers	Growth numbers are new for FY 16/17	19,038 Audio Track Plays	20% Average households claimed
1.5M Number of impressions during FY	1.45M Number of impressions during FY	1:47 min Average view duration	3953 Pin Impressions	201 Post Impressions	17 Likes	351 Thanks Received
2.18% Average Engagement Rate 1.65% Median	16/17 12.04% Average Engagement Rate 6.45% Median		1643 Viewers	5.4% Engagement Rate	5 Downloads	

Most Engaging Twitter Posts





- ♦ 875 Impressions
- ◆ 2 Retweets
- ◆ 8.12% Engagement
- ◆ 26 URL clicks



2.54 PM - 18 Jan 2017

Tweet your reply

Most Engaging Facebook Posts



Sacramento County Office of Emergency Services

Published by Mary Jo Flynn Nevins |?| - February 11 - 🚱

UPDATE: This is a previous notice from storm related floods *Not* related to Oroville

This is an Evacuation Notice from Sacramento County Office of Emergency Services. Flooding is occurring within the Point Pleasant area and the water level is expected to increase. Residents are strongly advised to leave the area for their safety. Safe travel routes include Franklin and Bruceville heading north. Residents may obtain additional road closure information from 3-1-1

LISTEN ... See More

Point Pleasant Residents flooding is occurring. Evacuation advised. February 11, 2017

Point Pleasant Evacuation Notice 2/11/17

This is an Evacuation Notice from Sacramento County Office of Emergency Strvices. Flooding is occurring within the Point Pleasant area and the water level is ected to increase. Residents are stro

DCLOUD.COM

- 51,630 Reach
- 430 Total Shares
- 948 Reactions
- ◆ 9,487 Clicks



Sacramento County Office of Emergency Services

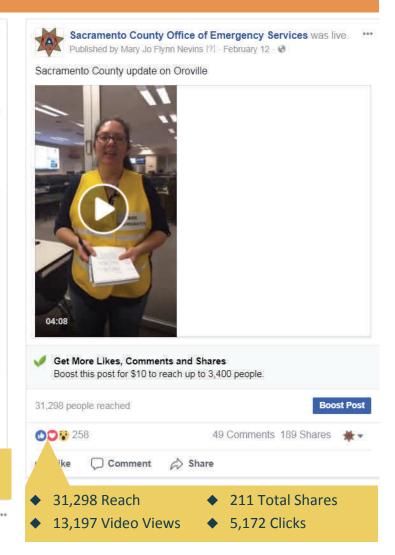
Published by Brenda L. Bongiomo 17 - January 13

1/13/17 URGENT ADVISORY: Glanville Track

Snodgrass Slough levee failure is possible. Be prepared to evacuate people, pets and livestock to higher ground. An evacuation center is available at Laguna Town Hall (3020 Renwick Avenue) in west Elk Grove. This is a dynamic situation that could change at any minute, possibly calling for evacuations. Be prepared with clothes, comfort items, medications, prescription glasses, specialty items for children and seniors. Notification Area Boundary: Lambert Road to the north. Franklin Blvd to the east. Lost Slough to the south and west boundary is Snodgrass Slough. http://www.saccounty.net/.../Publishing.../LostSloughCorrect.jpg



- ♦ 49,847 Reach
- 469 Total Shares
- ◆ 1,176 Reactions
- ◆ 10,521 Clicks





Sacramento Alert

Notifications were sent using the Sacramento Alert system in Fiscal Year 16/17. The highest volume of notifications

happened in the months of October 2016 (46 alerts), January (57 alerts) and February 2017 (40 alerts) as a result of the Alert Test and storm notifications.

System registration volume FY 16/17

Sac County
Business 9-1-1

Sac County
Resident 9-1-1

Sac County White
Pages

Citizen Opt-In

Sac County Yellow
Pages

39,486

The October Alert Test and winter storms were effective in adding Citizen Opt-Ins to the Alert System.

