

ANNUAL REPORT
on the
MITIGATION ACTIONS
in the
SACRAMENTO COUNTY
LOCAL HAZARD MITIGATION PLAN
Dated September 2021
(AND FLOODPLAIN MANAGEMENT PLAN)

**Adopted County Board of Supervisors on February 15, 2022, Resolution 2022-0135
and the Plan was approved by FEMA March 30, 2022 and
the Plan is valid through March 30, 2027**

Contact:
Kevin Siu (916) 874-2983
with George Booth (916) 874-6484
County of Sacramento
Department of Water Resources

October 2022

The Local Hazard Mitigation Plan is posted at www.stormready.org

CONTENTS

Overview	3
Plan Participants	4
Hazard Mitigation Planning.....	5
Helpful Definitions	4
Community Rating System.....	6
Annual Report Requirements	7
Outreach Activities	8
General Local Floodplain Management Goals	8
Mitigation of Repetitive Flood Losses.....	8
Helping People Understand Flood Risk.....	9
Goals of the 2021 Local Hazard Mitigation Plan	10
Progress on the Mitigation Action Recommendations	10
Exhibit A. FEMA Confirmation.....	11
Table 1. Status of Hazard Mitigation Actions	14

OVERVIEW

Federal law requires every city and county to have a plan describing the various natural hazards that might impose a risk to life and property. The plans are prepared with public volunteers and staff who consider ways to mitigate the risk posed by various natural hazards. The FEMA Community Rating System (CRS) requires the planning and this annual report.

The County of Sacramento developed the initial Local Hazard Mitigation Plan, dated December 2004, and the required plan update cycle is five-years. The 2021 plan is the fourth plan updating the 2016 plan. The plan was prepared and updated pursuant to the requirements of the Disaster Mitigation Act of 2000 (Public Law 106-390 and 44 CFR §201.6). The Sacramento County 2021 Local Hazard Mitigation Plan (LHMP) is posted online at www.stormready.org.

A planning committee, established pursuant to Board of Supervisors Resolution 2020-0454, July 14, 2020, collaborated to prepare the LHMP. The LHMP, dated September 2021, was adopted on **February 15, 2022, Resolution 2022-0135**, by the Board of Supervisors. The plan was approved by FEMA on **March 30, 2022 and is valid through March 30, 2027**.

The LHMP demonstrates the County's commitment to reducing risks from natural hazards and serves as a tool to help decision makers direct mitigation activities and resources. Participating in the multi-jurisdictional planning effort were the County's seven cities and numerous special districts. Maintaining a current approved plan allows continued eligibility for certain federal disaster assistance and mitigation grants. The 5-year planning cycle allows each participating city, district or agency to prioritize mitigation measures, and to amend actions on the activities.

Annually, a report is prepared and presented to the public describing progress on the hazard mitigation measures in the plan, as required by the FEMA National Flood Insurance Program CRS Activity 510. This annual report is shared with the planning committee and is posted online under the *Local Hazard Mitigation Plan* page at www.stormready.org.

The consultant for the planning effort was funded by a FEMA grant with local cost share from Zone 13 of the Sacramento County Water Agency and from the cities of Folsom, Galt, and Sacramento.

PLAN PARTICIPANTS

The LHMP is a multi-jurisdictional plan that geographically covers the entire area of Sacramento County (hereinafter referred to as the planning area). Numerous members of the public participated in the planning effort. There are 32 adoption resolutions -

1. Sacramento County
2. City of Citrus Heights
3. City of Elk Grove
4. City of Folsom
5. City of Galt
6. City of Isleton
7. City of Rancho Cordova
8. City of Sacramento
9. Citrus Heights Water District
10. Cosumnes Community Services District
11. American River Flood Control District
12. Reclamation District 3
13. Reclamation District 341
14. Reclamation District 349
15. Reclamation District 369
16. Reclamation District 551
17. Reclamation District 554
18. Reclamation District 556
19. Reclamation District 563
20. Reclamation District 800
21. Reclamation District 1000
22. Reclamation District 1002
23. Reclamation District 1601
24. Reclamation District 2111
25. Brannan-Andrus Levee Maintenance District (RD317, RD407, RD2067)
26. Sacramento County Water Agency
27. Sacramento Metropolitan Fire District
28. Sacramento Regional County Sanitation District
29. Sacramento Area Sewer District
30. Southgate Recreation and Park District
31. Twin Rivers School District
32. Los Rios Community College District

HELPFUL DEFINITIONS

Community Rating System (CRS) -The National Flood Insurance Program's (NFIP) Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. As a result, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community actions meeting the three main goals of the CRS: (1) reduce flood losses; (2) facilitate accurate insurance rating; and (3) promote the awareness of flood hazards and flood insurance.

FEMA is the Federal Emergency Management Agency

Floodplain is an area mapped or otherwise determined as being subject to inundation by ponding or flowing water in a storm event that has a statistical probability equal to or greater than 1% per year (also known as the 100-year floodplain). Other floodplains include 0.5% per year (200-year) and 0.2% per year (500-year).

Floodplain Administrator is the Director of the Sacramento County Department of Water Resources.

Floodplain Manager is staff designated by the Floodplain Administrator.

Repetitive Loss Property is any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling ten year period, since 1978.

Repetitive Loss Area has one or more structures having experienced two or more floods in a ten-year period, with flood claims exceeding \$1,000 in each instance.

HAZARD MITIGATION PLANNING

Hazard mitigation planning is focused on natural hazards to which Sacramento County might be subject to. The Federal Disaster Mitigation Act of 2000 seeks to encourage communities to understand hazards and to reduce risk. The first LHMP was dated December 2004. The Disaster Mitigation Act requires periodic updates to the LHMP to maintain eligibility for pre-disaster mitigation grant funds and some post-disaster public assistance through FEMA. The plan was updated in 2011, 2016, and the current LHMP is dated September 2021. The planning includes community outreach and discussion about natural hazards, risk, and mitigation activities.

The complete LHMP is posted at www.stormready.org.

The 2021 LHMP was an inclusive effort inviting participation from the public, all seven cities within Sacramento County and many agencies and districts. **Exhibit A** is a final notice from FEMA listing all of the jurisdictions who adopted the plan.

As a requirement of the Disaster Mitigation Act (Stafford Act) and the CRS, this annual report highlights the progress made in the implementation of the mitigation goals and strategies outlined in Section 5 of the 2021 LHMP.

COMMUNITY RATING SYSTEM

The County is a member in good standing with CRS, administered by Insurance Services Office (Verisk Analytics), since 1992. Participation in CRS is voluntary. Of the 22,000 communities participating in the NFIP, nationwide, there are 1,520 participating in CRS. CRS is a reward-based program to encourage communities to do a better job of managing floodplains and informing the public of flood hazard risk and mitigation measures.

Due to the County's CRS Class 2 rating, owners of structures in FEMA special flood hazard area receive up to a 40% discount on flood insurance premiums, saving hundreds of dollars on flood insurance premiums. This can be a significant savings for property owners.

It is estimated that Water Resources spends \$70,000, on average each year, doing CRS record keeping. It is further estimated that property owners save \$1 million annually on flood insurance premiums. The CRS guides community floodplain managers to do the right thing. The CRS program is a system of measurements reviewed every three years and affirmed annually, including:

- Elevation certificates (used to accurately describe the flood risk on a structure by structure basis)
- Map information (keeping flood hazard information and making it available to the public)
- Outreach projects (regular flood hazard and mitigation reminders to the public)
- Hazard disclosure (helping real estate professionals, buyers, and sellers to recognize the flood hazards)
- Flood protection information (provide mitigation and safety information to the public)
- Additional flood data (improving upon the FEMA regulatory maps)
- Open space preservation (the County zoning maintains the expansive south county floodplain as predominately agricultural land use)
- Higher regulatory standards (credits standards such as requiring buildings to be safely above flood hazards 'freeboard')

- Flood data management (recognition of long-standing effort to map high water and local flood hazards)
- Storm water management (credit for applying local, state, and federal storm water pollution reduction requirements)
- Repetitive loss (annual outreach stressing flood insurance and mitigation measures to those who have flooded multiple times)
- Floodplain management planning (credit for annually updating and publishing this report)
- Acquisition and relocation (recognizes efforts to mitigate the most flood-prone structures)
- Flood protection (recognizes efforts to mitigate flood hazard on a property by property basis)
- Drainage system maintenance (reviews ongoing efforts to maintain and improve the storm drainage systems)
- Flood warning program (this is an area where the County can obtain more credit in the future)

References

- Community Rating System:
<https://www.fema.gov/floodplain-management/community-rating-system>
- The complete CRS Manual is available at www.crsresources.org

ANNUAL REPORT REQUIREMENTS

Every year the community must:

- Evaluate its progress toward implementing the projects and programs in the LHMP
- Update background information and recommendations in the LHMP
- Review the Repetitive Loss Area Analysis, outreach and mitigation measures
- Provide a description of each hazard mitigation action
- Evaluate each mitigation action and make revisions and recommendations

OUTREACH ACTIVITIES

The LHMP is a public document, prepared with public input; thus, this report is a public document and is sent to:

- Each of the five County Supervisors
- The public information office for Internet posting (www.StormReady.org)
- Each available planning committee member

Public outreach includes:

- Annual outreach brochures inserted in the County utility bills
- Annual direct outreach to owners of property in the floodplain

GENERAL LOCAL FLOODPLAIN MANAGEMENT GOALS

MITIGATION OF REPETITIVE FLOOD LOSSES

Nationwide, a disproportionate amount of flood insurance claims are from property owners who have flooded multiple times. FEMA encourages communities to take an active interest in mitigating repetitive flood losses. The actual addresses of repetitive loss properties is not public information, instead staff developed outreach based on repetitive flood loss areas, which are described in Appendix H of the LHMP. Various mitigation measures are considered for each area and/or for each property. The Floodplain Manager continues assisting owners to mitigate flood risk, such as elevating houses utilizing FEMA grant funding.

Further, the CRS requires annual outreach to repetitive loss areas. The letter from the County Department of Water Resources encourages owners of repetitive flood loss properties to contact staff for technical assistance relevant to their specific flood concern. Water Resources engineering staff is readily available to talk with property owners to help them to understand the source of flooding and ways to reduce the risk. Property owners are encouraged to call 3-1-1 to schedule an appointment with County DWR staff.

Possible mitigation measures, to reduce flood risk, include:

- Acquisition/demolition – This alternative may be appropriate in areas of egregious flooding, such as flood-prone residential structures within a high velocity floodway.

This measure requires the land be held by a public agency in perpetuity so that it is not developed.

- Elevation – Lifting structures so that the floor is safely above the flood hazard and the foundation is constructed of flood resistant materials in a manner that would resist the hydraulic and hydrostatic forces is an excellent way to mitigate future flood losses.
- Flood-proofing – There are often mitigation measures taken by individual property owners to reduce the risk of flood damage such as walls, berms, sump pumps, overland release routing, and features to seal doorways and other entrances.
- Physical improvements – In some cases, there are things that can be constructed or improved to reduce the flood hazard.

HELPING PEOPLE UNDERSTAND FLOOD RISK

It is reasonable for every individual, family, neighborhood, and business to take responsibility for their flood safety by understanding the site-specific risk of flooding. Water Resources staff outreaches in many ways hoping the public will seek flood risk reduction advice.

Sources of potential flooding may include:

- Plugged storm drain inlet/pipe
- High intensity storm exceeding the capacity of the piped system
- Power outage or mechanical problem at pump station
- Overwhelmed pump station
- Record storm event
- Flood-prone areas outside of FEMA mapping area
- Sags and areas of ponding
- Roadside ditch
- Channels
- Streams
- Creeks
- Improper site grading
- Canals
- Sloughs
- Floodwall breach
- Levee failure
- Dam failure

On the County website www.stormready.org, there is helpful information for property owners and tenants to prepare themselves and their loved ones for winter storms. This website includes real time rain gage and stream gage data, and links to weather forecast sites.

The LHMP is not an emergency action plan; instead, it looks to mitigate risk before the damage occurs. The planning committee was open to considering all viable mitigation measures.

GOALS OF THE 2021 LOCAL HAZARD MITIGATION PLAN

The 2021 planning committee met, discussed and agreed upon five goals for the planning effort.

GOAL 1: Minimize risk and vulnerability of the Sacramento County community to the impacts of natural hazards, including consideration of the exacerbation of natural hazards and unique hazards due to climate change; and protect lives and reduce damages and losses to property, public health, economy, and the environment.

Goal 2: Provide protection for critical facilities, infrastructure, utilities, and services from hazard impacts, to include hardening and other efforts to establish redundancy and reliability, to prevent or minimize loss, and to facilitate recovery.

GOAL 3: Enhance public outreach, education, awareness, and preparedness for all hazards to minimize hazard related losses and to include effective strategies for reaching underserved communities and vulnerable populations.

GOAL 4: Increase community capabilities and leverage interagency and public-private coordination and resources to mitigate losses and to be prepared for, respond to, and recover from a disaster event.

GOAL 5: Assure conformance to federal and state hazard mitigation initiatives and maximize potential for mitigation implementation.

PROGRESS ON THE MITIGATION ACTION RECOMMENDATIONS

Chapter 5 of the LHMP describes numerous mitigation actions recommended by the planning committee. *Table 1 Status of Hazard Mitigation Actions* outlines the progress on the proposed actions in unincorporated Sacramento County, and provides the agency or department overseeing the action and the key person to whom questions may be directed. The table provides the status of the mitigation actions, and is updated annually.

EXHIBIT A. FEMA CONFIRMATION



U.S. Department of Homeland Security
FEMA Region 9
1111 Broadway, Suite 1200
Oakland, CA 94607

FEMA

August 16, 2022

George Booth
Senior Civil Engineer - Drainage
Sacramento County Department of Water Resources
827 Seventh Street, Room 301
Sacramento, CA 95814

Dear George Booth:

The Federal Emergency Management Agency (FEMA) received documentation from the following listed jurisdictions, confirming their adoption of the *Sacramento County Local Hazard Mitigation Plan Update 2021*:

- Citrus Heights Water District
- Reclamation District 554
- Reclamation District 556
- Reclamation District 2111
- Sacramento Area Sewer District
- Sacramento Regional County Sanitation District

These jurisdictions are in conformance with the Code of Federal Regulations, Title 44, Part 201, Section 6 (44 C.F.R. 201.6). An updated list of the status of participating jurisdictions is enclosed with this letter.

The adoption of this plan ensures the listed jurisdictions' continued eligibility for funding under FEMA's Hazard Mitigation Assistance programs, including the Hazard Mitigation Grant Program (HMGP), the Building Resilient Infrastructure and Communities program (BRIC), and the Flood Mitigation Assistance (FMA) program. All requests for funding are evaluated individually according to eligibility and other program requirements. Approved hazard mitigation plans may also be eligible for points under the National Flood Insurance Program's Community Rating System (CRS).

The *Sacramento County Local Hazard Mitigation Plan Update 2021* is valid for five years from the plan's original approval date, **March 30, 2022** for all approved participants. Prior to **March 30, 2027**, all participating jurisdictions must review, revise, and submit their plan to FEMA for approval to maintain eligibility for grant funding.

If you have any questions regarding the planning or review processes, please contact the FEMA Region 9 Hazard Mitigation Planning Team at fema-r9-mitigation-planning@fema.dhs.gov.

Sincerely,

XING LIU Digitally signed by XING LIU
Date: 2022.08.16 11:51:55
-07'00'
for Alison Kearns
Planning and Implementation Branch Chief
Mitigation Division
FEMA Region 9

www.fema.gov

2022 Annual Report - Local Hazard Mitigation Plan, dated September 2021

Sacramento County Hazard Mitigation Plan Additional Jurisdictions Approval Notice
August 16, 2022
Page 2 of 3

Enclosure (1)

Sacramento County Plan Review Tool, dated August 16, 2022
Status of Participating Jurisdictions, dated August 16, 2022

cc: Jennifer Hogan, State Hazard Mitigation Officer, California Governor's Office of Emergency Services
Victoria LaMar-Haas, Hazard Mitigation Planning Chief, California Governor's Office of Emergency Services

Sacramento County Hazard Mitigation Plan Additional Jurisdictions Approval Notice
 August 16, 2022
 Page 3 of 3

Status of Participating Jurisdictions as of August 16, 2022

Jurisdictions – Adopted and Approved

#	Jurisdiction	Date of Adoption
1	Sacramento County	2/15/2022
2	Citrus Heights Water District	1/19/2022
3	City of Citrus Heights	2/24/2022
4	City of Elk Grove	2/23/2022
5	City of Folsom	2/22/2022
6	City of Galt	3/1/2022
7	City of Isleton	2/8/2022
8	City of Rancho Cordova	3/7/2022
9	City of Sacramento	2/1/2022
10	American River Flood Control District	3/11/2022
11	Brannan Andrus Levee Maintenance District	2/17/2022
12	Cosumnes Community Services District and Fire Department	1/19/2022
13	Los Rios Community College District	2/16/2022
14	Reclamation District 3	2/17/2022
15	Reclamation District 341	3/8/2022
16	Reclamation District 349	2/8/2022
17	Reclamation District 369	2/11/2022
18	Reclamation District 551	3/15/2022
19	Reclamation District 554	5/19/2022
20	Reclamation District 556	5/19/2022
21	Reclamation District 563	4/12/2022
22	Reclamation District 800	3/3/2022
23	Reclamation District 1000	2/11/2022
24	Reclamation District 1002	2/24/2022
25	Reclamation District 1601	3/15/2022
26	Reclamation District 2111	5/19/2022
27	Sacramento Area Sewer District	4/27/2022
28	Sacramento County Water Agency	2/15/2022
29	Sacramento Metropolitan Fire District	2/24/2022
30	Sacramento Regional County Sanitation District	4/27/2022
31	Southgate Recreation and Park District	1/18/2022
32	Twin Rivers Unified School District	2/15/2022

Jurisdictions – Approvable Pending Adoption

#	Jurisdiction

TABLE 1. STATUS OF HAZARD MITIGATION ACTIONS

TABLE 1 STATUS OF HAZARD MITIGATION ACTIONS				
The following mitigation actions are from Table 5-7 of the Sacramento County 2021 Hazard Mitigation Plan, posted at www.StormReady.org Unincorporated Sacramento County, 2022				
Action No.	Title	Agency/Dept	Status of Mitigation Action	Key Person for Status Check in
Multi-Hazard Actions				
1	Integrate Local Hazard Mitigation Plan into Safety Element of the General Plan	Planning	Completed	Todd Smith
2	Public Information and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	Water Resources and Office of Emergency Services	Ongoing, see the Program for Public Information (flood focused outreach)	Kevin Siu, Matt Robinson, Matthew Hawkins
3	County-wide Mass Care and Shelter Plan Update	Office of Emergency Services	Updated & Published August 2021	Matthew Hawkins
4	County-wide Evacuation Annex Update	Office of Emergency Services	Updated & Published August 2021	Matthew Hawkins
5	Evacuation Planning Countywide	Office of Emergency Services	In 2021/2022 SacOES received a CalFire Evacuation Route Planning Grant to - utilizing new technologies - develop detailed evacuation route products specific to neighborhood clusters. Priority for this project are high fire severity threat zones. The products will be outreached to the public.	Matthew Hawkins
6	Expand Broadband / Wifi Access	Office of Emergency Services	Ongoing	Matthew Hawkins
Climate Change and Pandemic Actions				
7	Implement and Improve Telecommuting and Remote Work Access for County Operations	All	DTech has been working on these projects	Matthew Hawkins
8	Implement the Actions Contained Within the Sacramento County Climate Action / Adaptation plan	Office of the County Executive	Ongoing - expect final CAP approval in late 2022. Climate Emergency Mobilization Task Force has been seated and first meeting is October 2022	John Lundgren
9	Develop and Incentivize Carbon Sequestration plans and Programs	Office of the County Executive	Ongoing - expect final CAP approval in late 2022. Climate Emergency Mobilization Task Force has been seated and first meeting is October 2022	John Lundgren
10	Update the Sacramento County Climate Action for Carbon Neutrality by 2030	Office of the County Executive	Ongoing - expect final CAP approval in late 2022. Climate Emergency Mobilization Task Force has been seated and first meeting is October 2022	John Lundgren
Dam Failure, Earthquake (and Liquefaction), Flood: 1%, 0.5%, 0.2% annual chance, Flood: Localized Flood, Levee Failure, Subsidence, and Severe Weather: Heavy Rains and Storms Actions				
11	Bicycle / pedestrian bridge across Discovery Park connecting Garden Highway to the Jibbom Street Bridge	Transportation / County Parks	Omit this item, no current plans	Liz Bella
12	Acquire Floodprone Properties	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
13	Maintain and Improve Railroad Embankment Levee from South of Freepport to South of Hood	State Parks (Railroad Museum)	No actions being taken	Mike Johnson
14	McCormack Williamson Flood Control Weir	CA Water Resources	2024-2026 construction	Mike Johnson
15	Flood Risk Mitigation for Mobilehome and Recreation Vehicle Parks	CA Housing and Community Development	Ongoing	Mike Johnson

2022 Annual Report - Local Hazard Mitigation Plan, dated September 2021

16	Plan for Public Information (PPI)	Water Resources Floodplain Mgmt	Updated August 2022	Mike Johnson
17	Mitigation of Repetitive Flood Loss Areas and Properties	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
18	Flood Risk Mapping	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
19	Storm Ready	Office of Emergency Services	Ongoing	Matthew Hawkins
20	Alder Creek Flood Hazard Mitigation	Water Resources Floodplain Mgmt	Subject to Glenborough / Easton developer	Mike Johnson
21	Operational Protocol for American River Pump Stations that are Affected by the Reoperation of Folsom Dam	Water Resources Floodplain Mgmt	Scoping starting in 2023	Mike Johnson
22	Arcade Creek Flood Control	Water Resources Floodplain Mgmt	Gum Ranch flood basin is completed. No other projects are identified	Mike Johnson
23	Beach Stone Lakes Area Flood Risk Reduction Program	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
24	Protect Critical Facilities from Flooding	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
25	Dam Safety (CRS Activity 630)	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
26	Flood Fighting for Delta Legacy Communities: Hood, Courtland, Walnut Grove	Water Resources Floodplain Mgmt	Ongoing outreach discussion	Mike Johnson
27	Implement Delta Small Communities Flood Risk Reduction Studies	Water Resources Floodplain Mgmt	The studies are completed, posted at www.StormReady.org , implementation is ongoing	Mike Johnson / Community / RD
28	Elevate Houses to Reduce Flood Risk	Water Resources Floodplain Mgmt	Ongoing FEMA grants	Mike Johnson
29	Flood Emergency Management Exercises	Water Res / Emergency Services	Annual	Mike Johnson
30	Flood Evacuation Mapping	Water Res / Emergency Services	Hood wants analysis and map, others?	Mike Johnson
31	Floodproofing Non-residential Structures	Water Resources Floodplain Mgmt	Countywide ongoing, particularly in Beach Stone Lakes area	Mike Johnson
32	Flood Insurance Studies (modeling and mapping flood hazards)	Water Resources Floodplain Mgmt	Ongoing	Mike Johnson
33	Update Hydrology Standards	Water Resources Floodplain Mgmt	Progressing	Mike Johnson
34	Laguna Creek Flood Control, Modeling and Mapping	Water Resources Floodplain Mgmt	Progressing	Mike Johnson
35	Update County GIS Aerial Photography and LiDAR Topography	GIS	Updated GIS Aerial Photography for 2022 should be available by December 1st. Current LiDAR Topography is from 2004, 2007, and 2008	George Nicholas
36	Maintain and Improve Sacramento River Levee from Freeport to south of Hood	CA Water Resources	Planning to make erosion repairs but not yet planning improvements	Mike Johnson
37	Use Existing Aggregate Mining Pits for Flood Control	Water Resources Floodplain Mgmt	Weirs are in place and functional	Mike Johnson
38	Implement Storm Drain Capital Improvement Plan	Water Resources Drainage Engineering	5-Year Capital Improvement Plan approved by Board of Supervisors	David Bolen
39	Woodside Condominiums Flood Risk Reduction	Woodside HOA	HOA turned down the FEMA grant in 2021	Mike Johnson
40	Implement Actions in the Courtland Flood Risk Reduction Plan 2021	Courtland and RD551	Ongoing discussions	Mike Johnson
41	Implement Actions in the Walnut Grove West Flood Risk Reduction Plan 2021	Walnut Grove West and RD3	Ongoing discussions	Mike Johnson
42	Implement Actions in the Locke Flood Risk Reduction Plan 2021	Locke and RD	The RD got a grant in 2022 to further the design	Mike Johnson

2022 Annual Report - Local Hazard Mitigation Plan, dated September 2021

Drought & Water Shortage, Severe Weather: Extreme Heat, and Wildfire Actions				
43	Reduce the urban heat island effect through the implementation of "cool communities" strategies, including but not limited to, increasing tree plantings, using cool/green roofs and cool/pervious pavements	Planning	Ongoing - expect final CAP approval in late 2022. Climate Emergency Mobilization Task Force has been seated and first meeting is October 2022	John Lundgren
44	Defensible Space and Vegetation Management; Development of Areas of Refuge	Parks	https://regionalparks.saccounty.gov/Rangers/Pages/FireRiskReduction.aspx	Liz Bella
45	Wildfire Suppression - Regional Parks and Open Space (urban interface)	Parks	https://regionalparks.saccounty.gov/Rangers/Pages/FireRiskReduction.aspx	Liz Bella
46	Wildfire Fighting - Support		SacOES received a 2021 California Fire Safe Council Grant to support the creation of a Sacramento County Fire Coordinator to educate and coordinate wildfire mitigation.	Matthew Hawkins
47	Wildfire Suppression		SacOES received a 2021 California Fire Safe Council Grant to support the creation of a Sacramento County Fire Coordinator to educate and coordinate wildfire mitigation.	Matthew Hawkins