

Chapter 3 Planning Process

Requirements §201.6(b) and §201.6(c)(1): An open public involvement process is essential to the development of an effective plan. In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:

- 1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;**
- 2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia, and other private and nonprofit interests to be involved in the planning process; and**
- 3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.**

[The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.

Sacramento County recognized the need and importance of the update process for their 2016 Local Hazard Mitigation Plan (LHMP) and initiated its development. After receiving a grant from the Federal Emergency Management Agency (FEMA), which served as the primary funding source for this LHMP Update, the County contracted with Foster Morrison Consulting, Ltd. (Foster Morrison) to facilitate and develop the Plan. Jeanine Foster, a professional planner with Foster Morrison, was the project manager and Community Rating System (CRS) lead in charge of overseeing the planning process and the development of this LHMP update. Chris Morrison, also a professional planner with Foster Morrison, was the lead planner for the development of this LHMP Update. The Foster Morrison's team's role was to:

- Assist in establishing the Hazard Mitigation Planning Committee (HMPC) as defined by the Disaster Mitigation Act (DMA);
- Meet the DMA requirements as established by federal regulations and following FEMA's planning guidance;
- Support objectives under the National Flood Insurance Program's (NFIP) CRS and the Flood Mitigation Assistance (FMA) program;
- Facilitate the entire planning process;
- Identify the data requirements that HMPC participants could provide and conduct the research and documentation necessary to augment that data;
- Assist in facilitating the public input process;
- Produce the draft and final plan documents; and
- Coordinate with the California Office of Emergency Services (Cal OES) and FEMA Region IX plan reviews.

3.1 Local Government Participation

Sacramento County and the City of Sacramento, as the two participating NFIP CRS communities, the other six incorporated communities, and 24 special districts, made a commitment to this 2021 multi-jurisdictional LHMP Update as participating jurisdictions. The DMA planning regulations and guidance stress that each

local government (participating jurisdiction) seeking FEMA approval of their mitigation plan must participate in the planning effort in the following ways:

- Participate in the process as part of the HMPC;
- Detail where within the Planning Area the risk differs from that facing the entire area;
- Identify potential mitigation actions; and
- Formally adopt the plan.

For Sacramento County and all participating jurisdictions, “participation” meant the following:

- Attending and participating in the HMPC meetings;
- Completing and returning the Data Collection Worksheets;
- Collecting and providing other requested data (as available);
- Coordinating information sharing between internal and external agencies;
- Managing administrative details;
- Making decisions on Plan process and content;
- Identifying mitigation actions for the Plan;
- Reviewing and providing comments on Plan drafts;
- Providing Draft documents of LHMP for public review;
- Informing the public, local officials, and other interested stakeholders about the planning process and providing opportunity for them to comment on the Plan;
- Coordinating, and participating in the public input process; and
- Coordinating the formal adoption of the Plan by the governing boards for each jurisdiction.

The County and all jurisdictions seeking FEMA approval of this LHMP Update met all of these participation requirements. Multiple representatives from the County and all jurisdictions attended the HMPC meetings described in Table 3-5 and also brought together an internal planning team to help collect data, identify mitigation actions and implementation strategies, and review and provide data on Plan drafts. Appendix A provides additional information and documentation of the planning process.

In order to promote the integration of CRS into this planning process, the HMPC representatives from the County and City of Sacramento, as the two CRS communities, were selected based on their areas of expertise relative to the CRS mitigation categories as detailed in Table 3-1. In addition, the Sacramento County and City of Sacramento staff responsible for community land use and comprehensive planning for their jurisdictions were active participants on the HMPC and provided data and information to support development of the Plan. Specifically, the Sacramento County Office of Planning and Environmental Review (John Lundgren, Senior Planner and Todd Taylor, Associate Planner) and City of Sacramento Community Development Department, Planning Division (Remi Mendoza, Associated Planner), in association with Foster Morrison Planners were involved in the development of this LHMP Update through attendance at meetings, providing data, future land use planning support, and help with all LHMP planning elements. In addition to attending meetings, providing draft text for inclusion in the plan, and reviewing Plan documents, Sacramento County and City of Sacramento planners, in addition to planners from other participating jurisdictions, also provided information on development since the 2016 LHMP, mapping, text, and details on future development areas, input on current mitigation capabilities, and a variety of documents and information specific to their jurisdictions.

Table 3-1 Sacramento County Planning Area LHMP Staff Capability with Six Mitigation Categories

Jurisdiction/Departments	Prevention	Property Protection	Natural Resource Protection	Emergency Services	Structural Flood Control Projects	Public Information	Other
Sacramento County							
Department of Water Resources/Flood Management and Engineering, George Booth	X	X	X		X	X	X
Emergency Services, Mary Jo Flynn-Nevins, Interim Chief of Emergency Services	X	X	X	X	X	X	X
Office of Planning and Environmental Review, John Lundgren, Senior Planner	X	X	X	X		X	X
City of Sacramento							
Department of Utilities, Rosa Millino, Senior Engineer	X	X	X		X	X	X
City, Office of Emergency Management, Daniel Bowers	X	X	X	X	X	X	X
Community Development Department Planning Division, Remi Mendoza, Associate Planner	X	X	X		X	X	X

Specific individuals representing Sacramento County and City of Sacramento departments, and representatives from other participating jurisdictions, participating in this LHMP Update were actively involved throughout the Plan Update process as identified in Appendix A in the sign-in sheets for the meetings and as evident through the data, information and input provided by HMPC representatives to the development of this LHMP Update. This Chapter 3 and Appendix A provides additional information and documentation of the planning process and participants to this Plan Update, including members of the steering and working committees, comprising the HMPC.

3.2 The 10-Step Planning Process

Foster Morrison established the planning process for updating the Sacramento County LHMP using the DMA planning requirements and FEMA’s associated guidance. This guidance is structured around a four-phase process:

1. Organize Resources;
2. Assess Risks;
3. Develop the Mitigation Plan; and
4. Implement the Plan and Monitor Progress.

Into this process, Foster Morrison integrated a more detailed 10-step planning process used for FEMA’s CRS and FMA programs. Thus, the modified 10-step process used for this plan meets the requirements of six major programs: FEMA’s Hazard Mitigation Grant Program (HMGP); Building Resilient Infrastructure and Communities (BRIC), previously the Pre-Disaster Mitigation (PDM) program; CRS program; FMA Program; Severe Repetitive Loss (SRL) program; and new flood control projects authorized by the U.S. Army Corps of Engineers (USACE).

Table 3-2 shows how the modified 10-step process fits into FEMA’s four-phase process. The sections that follow describe each planning step in more detail.

Table 3-2 Mitigation Planning Processes Used to Develop the Sacramento County Local Hazard Mitigation Plan

DMA Process	Modified CRS Process
1) Organize Resources	
201.6(c)(1)	1) Organize the Planning Effort
201.6(b)(1)	2) Involve the Public
201.6(b)(2) and (3)	3) Coordinate with Other Departments and Agencies
2) Assess Risks	
201.6(c)(2)(i)	4) Identify the Hazards
201.6(c)(2)(ii)	5) Assess the Risks
3) Develop the Mitigation Plan	
201.6(c)(3)(i)	6) Set Goals
201.6(c)(3)(ii)	7) Review Possible Activities
201.6(c)(3)(iii)	8) Draft an Action Plan
4) Implement the Plan and Monitor Progress	
201.6(c)(5)	9) Adopt the Plan
201.6(c)(4)	10) Implement, Evaluate, and Revise the Plan

This LHMP Update involved a comprehensive review and update of each section of the 2016 Plan and includes an assessment of the success of the County in evaluating, monitoring and implementing the mitigation strategy outlined in the initial Plan, as previously described in more detail in Chapter 2 and throughout Chapter 4 and Chapter 5.

The process followed to update the LHMP is detailed in the above table and the sections that follow and is in conformance with the latest DMA planning guidance and the CRS 2017 Coordinator’s Manual. As part of this LHMP Update, all sections of the Plan were reviewed and updated to reflect new data, processes, and resulting mitigation strategies. Only the information and data still valid from the 2016 LHMP was carried forward as applicable into this LHMP Update.

3.2.1. Phase 1: Organize Resources

Planning Step 1: Organize the Planning Effort

With Sacramento County’s commitment to participate in the DMA planning process and the CRS program, Foster Morrison worked with Sacramento County’s Department of Water Resources (County DWR), as overall project lead, to establish the framework and organization for development of the Plan. An initial meeting was held with key community representatives to discuss the organizational and process aspects of this LHMP Update process.

The initial kick-off meeting was held on September 15, 2020. Invitations to these kickoff meetings were extended to key County departments, the seven incorporated communities, special districts located within the County, as well as to other federal, state, and local stakeholders, including representatives from the public, that might have an interest in participating in the planning process. Representatives from the 2016 HMPC, key County departments, and other identified stakeholders were used as a starting point for the invite list, with additional invitations extended as appropriate throughout the planning process. The list of invitees is included in Appendix A.

Hazard Mitigation Planning Committee (HMPC)

The HMPC was established as a result of these initial meetings, as well as through interest generated through the early public meeting and outreach conducted for this project as detailed later in this section. The HMPC, comprising key County, City, special district, and other government and stakeholder representatives and the public, developed the LHMP with leadership from the County DWR and facilitation by Foster Morrison. This list includes all HMPC members that attended one or more HMPC meeting, as well as those who provided key input into the Plan development process. The following participated on the HMPC:

Table 3-3 Sacramento County – Hazard Mitigation Planning Committee

Name/Title	Title	Department/Agency/ Affiliation
Alan Haynes		NOAA/NWS/California Nevada River Forecast Center
Alan Vail	Managing Partner	Resident/VCS Consulting
Alexander Barba		Sacramento County DWR
Amittoj Thandi	Engineering Services Support Manager	City of Elk Grove
Angelina Wu		City of Sacramento
Anitra Pawley	Program Manager	In-Delta Investments, Division of Multibenefits, CA DWR;
Ann Kohl		AA Sierra Branch Committee
Anne Del Core		Resident of Sierra Oaks Vista; annedelcore@gmial.com

Name/Title	Title	Department/Agency/ Affiliation
Barb McGowan	DCC Engineering	BALMD (RDs 317, 407, 2607) BMcGowan@dcceng.net
Ben Ashby		CHP East Sacramento Area
Bill Darsie		KSN Engineers, RD 2111,1601, 563
Bill Forrest		City of Galt Public Works
Bill Sessa		Woodside Homeowners Association
Brandon Mitchell		Sacramento County Water Resources mitchellbr@saccounty.net
Brenda Bongiorno		Sacramento County Public Works
Brenna Howell		Howell Consulting
Brian Hensley		Citrus Heights Water District
Brian McCord	Director Operational Risk Management	California American Water
Brian Walker	Sr Engineer/Floodplain Manager	City of Roseville
Charles Bergstrom		City of Isleton; cbergson@cityofisleton.com
Chris Morrison	Lead Planner	Foster Morrison Consulting
Chris Neudeck		KSN Engineering/ cneudeck@ksninc.com
Christen Bennett		Sacramento County Water Agency; bennettchr@saccounty.net
Clair Davis	Floodplain and CRS Administrator	City of Fort Worth TX
Connie Perkins	Senior Engineer	Central Valley Flood Protection Board and City of Sacramento Resident
Connie Perkins	Senior Engineer	City of Sacramento Resident/ State CRS Coordinator
Dalia Fadl	Sr. Civil Engineer	City of Rancho Cordova
Dana Booth	Stormwater Quality Program Manager	Sacramento County
Daniel Bowers	Director of Emergency Management	City of Sacramento OEM
David Bolen		Sacramento County DWR
David Bolland		Bolland and Associates
Dawn Pimentel		Sacramento County DWR
Debbie Turner		Los Rios Community College District
Derek DeWaal		FBI; dfdewaal@fbi.gov
Derek Larson	Principal	Larsen Wurzel & Associates
Dirk Medema		City of Citrus Heights
Emily Pappalardo		MBK Engineers
Eric Singer	Assistant Planner	City of Citrus Heights
Forrest Williams		SCWA

Name/Title	Title	Department/Agency/ Affiliation
George Booth		Sacramento County DWR/Sacramento Water Agency
Gilbert Cosio	Principal Engineer	MBK Engineers for RD 3 (North Delta RDs)
Gilbert Mendes		Home Owner Franklin Pond Area - Elk Grove
Glen Rickelton		Sacramento County Department of Airports
Greta Soos	Assistant Planner	City of Sacramento Planning Department
Heidi Hampton		Sacramento Sheriff's Office RMAC
Heidi Huber		Sacramento County DWR
Holly Brown		Resident/SacRegion VOAD HandsOn Sacramento
Hunter Merritt	Public Involvement Specialist	USACE SPK Sacramento District
Israel Tamiru	Jr. Engineer	City of Sacramento DOU
Jamie Arno		Sac Metro Air District jarno@airquality.org
Jamie Hudson		City of Elk Grove Emergency Management
Jamie McKinley		City of Sacramento; jmckinley@cityofsacramento.org
Jason D'Alessio		Sacramento County OES
Jeanelle Gottlob	Emergency Manager	Jenelle Gottlob
Jeanine Foster	Project Manager	Foster Morrison Consulting
Jeff Werner		City of Elk Grove
Jillian Powell		Resident
Jim Gillum		Public/Gillum Consulting, Inc.
John Lundgren	Sr. Planner	Sacramento County Planning Department
Juanita Cano		Southgate Recreation and Park District
Julia Coleman	Risk Management Specialist	Risk Management Los Rios College
Julie Lim	Sr. Staff Assistant	City of Sacramento Department of Utilities
June Cowles		City of Rancho Cordova Planning Department
Kamal Atwal	Principal Civil Engineer	Sacramento County DOT O&M
Keith Leech		Sacramento County DGS Fleet Service
Ken Cusano	Fire Chief	Folsom Fire Department
Kerry Schmitz		Sacramento County Water Agency
Lauren Groves		City of Sac OEM (for Jeanelle Gottlob) lgroves@cityofsacramento.org
Levi Warr		CA DWR; levi.warr@water.ca.gov
Linda Ford		Resident/Metro Fire CERT
Lisa Barsdale		Sac Metro Fire
Lisa Deklinski		City of Sacramento Department of Utilities
Liz Ramos		Kjeldsen, Sinnock & Neudeck, Inc
Lu Li	Principal Civil Engineer	Sacramento County DOT; lil@saccounty.net

Name/Title	Title	Department/Agency/ Affiliation
Lupe Rodriguez		Sacramento County Department of Transportation
M. T Lorenzo-Lee		Resident Pocket Area
Mark Barcellos		Sacramento County Environmental Management Department
Mark Cherry		Sacramento Sheriff's Office
Mary Jo Flynn-Nevins		Sacramento County OES
Matt Demarco	Administrative Battalion Chief	Consumnes CSD Fire Department
Matt Hawkins	Emergency Manager	Sacramento County OES;
Matt Hertel	Action Long Range Planning Manager	City of Sacramento
Matthew Renfro	CivicSpark Fellow	Sacramento Metropolitan Air Quality Management District
Megan Floyd	Environmental Specialist	Sacramento County EMD
Megan LeRoy		KSN Engineers
Megan Walton		Cal OES Recovery
Melanie Saucier		SAFCA
Melissa Wright	Senior Civil Engineer	Sacramento County Department of Transportation
Michael Doane		Sacramento Regional Parks
Michael Moncrief	Principal	MBK Engineers
Michael Redfern		Sacramento Area Sewer District
Mika Guevarra	Emergency Volunteer	Sacramento Region BOAD HandsOn Sacramento
Mike Johnson		Sacramento County DWR
Mike Snelling	Director of Public Works	City of Galt
Neal Joyce	DOU Supervising Engineer	City of Sacramento Department of Utilities
Nestor Michelena		California Highway Patrol
Orlando Olivas		Sacramento County Dept. of Airports (for Glen Rickelton)
Patrick Erwin		RDs 341 & 800/ Wagner & Bonsignore, Consulting Civil Engineers
Patrick Ji	Water Quality Engineer	City of Sacramento
Paul Kent	Emergency Manager	City of Elk Grove
Paul Siebensohn	Director of Field Operations	Rancho Murieta CSD
Piper Crawford		Regional Sanitation District
Raymond Kong		City of Sacramento DOU
Rebecca Scott		Citrus Heights Water District;
Regina Cave		City of Citrus Heights
Remi Mendoza		City of Sacramento Community Development Department

Name/Title	Title	Department/Agency/ Affiliation
Rod Rodriguez	Emergency Services Coordinator	Placer County OES
Rosa Millino	Senior Engineer	City of Sacramento
Ryan Neves	Senior Engineer	City of Folsom
Saira Nisha		Public
Scott Fujikawa	Senior Civil Engineer	Sacramento County Department of Airports
Shayan Rehman		Sacramento County DWR
Shelly Jiang	Climate Change Coordinator	Sacramento Metropolitan Air Quality Management District
Shelly Jiang	Climate Change Coordinator	Sacramento Metropolitan Air Quality Management District
Silvia Reynoso	Water Resources Engineer	Cal DWR
Spencer Eberle		Resident Old North Sacramento/ ARFC District Board of Directors
Steve Nebozuk		Sacramento Regional County Sanitation District/ Sacramento Area Sewer District
Steve White		Sacramento County Department of Transportation
Sylvia Reynoso	DOU Supervising Engineer	City of Sacramento
Tim Kerr		American River Flood Control District
Tina Anderson	Project Manager	MBK Engineers
Todd Taylor	Associate Planner	Sacramento County Planning
Tom Monahan		Public
Tom Pasterski		SCWA
Tom Trexler		MBK Engineers
Toni Hoang		SMUD
Travis Franklin		Elk Grove Water District
Troy Bair	Deputy Fire Chief - Operations	Consumnes CSD Fire Department
Ty Bailey	Battalion Chief	Sacramento Metro Fire District
Valeri Mihanovich	Director	Public/The Regional Center for Volunteerism- Hanson Sacramento AND Sacramento Region Voluntary Organizations Active in Disaster
Victoria LaMar-Haas		Cal OES, Program Manager, Local Hazard Mitigation Planning
Vyoini Upadhyay	Associate Civil Engineer	Regional Sanitation District/ SASD Part of Sanitation Districts Agency
Wendi Wilkinson	Senior Ag Env. Scientist	Home Owner Franklin Pond Area Elk Grove/ California Department of Agriculture

Steering Committee

In addition to the HMPC, a Steering Committee to the HMPC was established to help guide LHMP development, including the CRS components of floodplain management planning and the overall development of the LHMP. The Steering Committee is comprised of key representatives from the County and the City of Sacramento as the two CRS communities and includes non-local government and public representatives. The non-local government members of the Steering Committee (citizens and other outside stakeholders) represent more than 50% representation of the committee for the Steering Committee. See Table 3-4 and Appendix A for details on the makeup of the Steering Committee.

Table 3-4 Sacramento County LHMP Steering Committee to the Hazard Mitigation Planning Committee

Community/ Representative	Department/Organization	County/ City	Public/ Resident	Stakeholder	# Meetings
Sacramento County					
George Booth	Sacramento County Department of Water Resources	X			5
John Lundgren	Sacramento County Office of Planning and Environmental Review	X			5
City of Sacramento					
Rosa Millino	Community Development Department Planning Division,	X			5
Remi Mendoza	Development Services Department/Regulatory Compliance	X			5
Public Representatives					
Wendy Wilkinson	Home Owner Franklin Pond Area, Elk Grove		X	X	5
Gilbert Mendes	Home Owner Franklin Pond Area, Elk Grove		X		4
Spencer Eberle	Resident – Old North Sacramento		X		5
Holly Brown	Resident/Hands On Sacramento		X	X	3
Jim Gillum	Resident/Gillum Consulting		X		4
Connie Perkins	City of Sacramento Resident		X	X	3
Maria Lorenzo-Lee	Resident Pocket Area		X	X	3
Mike Guevarra	Resident/Hands On Sacramento		X	X	3
Tom Monahan	Public		X		3
Derek Lawson	Public		X		3
Valerie Mihanovich	Public/Hands On Sacramento		X	X	3
Linda Ford	Resident/ Metro Fire Cert				3

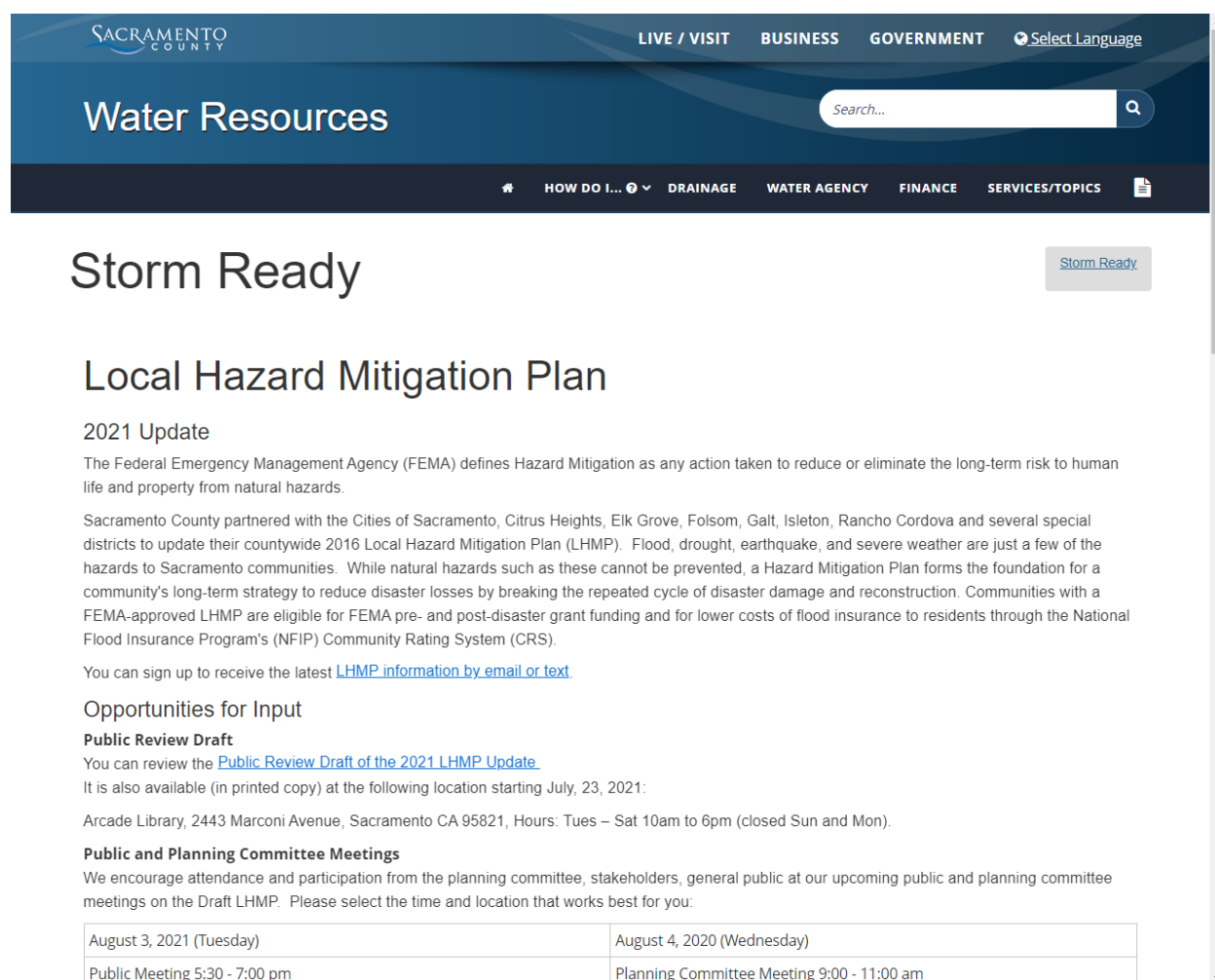
Meetings

The planning process officially began with a kick-off meeting held on September 15, 2020, followed by public kick-off meeting held the same day at 6:00 pm. The meetings covered the scope of work and an introduction to the DMA, CRS, and FMA requirements. During the HMPC meetings, participants were provided with data collection worksheets to facilitate the collection of information necessary to support development of the Plan. Using FEMA guidance, these worksheets were designed to capture information on past hazard events, identify hazards of concern to each of the participating jurisdictions, quantify values at risk to identified hazards, inventory existing capabilities, record possible mitigation actions, and to capture information on the status of mitigation action items from the 2016 Plan. A copy of the worksheets for this project are included in Appendix A. Each participating jurisdiction seeking FEMA approval of this LHMP Update completed and returned the worksheets to Foster Morrison for incorporation into this LHMP Update.

During the planning process, the HMPC communicated through virtual Zoom meetings, email, telephone conversations, Dropbox websites, and through a County developed webpage dedicated to the Plan development process. This later website was developed to provide information to the HMPC, the public and all other stakeholders on the LHMP process. Draft documents were also posted on these websites so that the HMPC members and the public could easily access and review them.

The Sacramento County LHMP website (as shown on Figure 3-1) can be accessed online at: <https://waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>

Figure 3-1 Sacramento County Hazard Mitigation Plan Update Website



Source: Sacramento County

The HMPC met formally five times during the planning period (September 2020 – September 2021) which adequately covers the four phases of DMA and the 10-Step CRS planning process. The formal meetings held and topics discussed are described in Table 3-5. Agendas and sign-in sheets for each of the meetings are included in Appendix A.

Table 3-5 HMPC Meetings

Meeting Type	Meeting Topic	Meeting Date(s)	Meeting Location(s)
HMPC #1 Kick-off Meeting	1) Introduction to DMA and the planning process 2) Overview of current LHMP; 3) Organize Resources (CRS Steps 1,2&3): the role of the HMPC, planning for public involvement, coordinating with other agencies/stakeholders 4) Introduction to Hazard Identification	September 15, 2020	Zoom Meeting

Meeting Type	Meeting Topic	Meeting Date(s)	Meeting Location(s)
HMPC #2	1) Risk assessment overview and work session -CRS Step 4: Assess the Hazard -CRS Step 5: Assess the Problem	February 5, 2021	Zoom Meeting
HMPC #3	1) Review of risk assessment summary 2) Review and update of mitigation goals 3) Intro to Mitigation Action Strategy -CRS Step 6: Set Goals -CRS Step 7: Review possible activities	March 24, 2021	Zoom Meeting
HMPC #4	1) Review of mitigation alternatives 2) Review and update of mitigation actions from the 2012 plan 3) Identify updated list of mitigation actions by hazard 4) Review of mitigation selection criteria 5) Update and prioritize mitigation actions 6) Mitigation Action Strategy Implementation and Draft Action Development -CRS Step 7: Review possible activities -CRS Step 8: Draft an Action Plan	March 30, 2021	Zoom Meeting
HMPC #5	1) Review of final HMPC, jurisdictional and public comments and input to plan 2) Review and documentation of changed conditions, vulnerabilities and mitigation priorities 3) CRS Step 8: Draft an Action Plan 4) CRS Step 9 & 10: Plan Maintenance and Implementation Procedures	August 4, 2021	Zoom Meeting

Zoom Meetings

As a result of the Covid-19 Pandemic, all of the HMPC and public meetings were conducted virtually via the online Zoom format. While these Zoom meetings presented a few challenges from a collaboration standpoint, holding these meetings online also had its advantages. First, it was observed that more people were available to attend an online meeting, including those out of area agencies where travel to Sacramento for a meeting was difficult due to the time involved. Another benefit was the use of the Chat function in the Zoom format. This allowed those individuals not likely to speak up in a face-to-face meeting to provide input via Chat. Further, these Chat transcripts were recorded in a written retrievable format that allowed Foster Morrison to develop comprehensive notes detailing HMPC and public input. While all efforts were made to track meeting attendance, this virtual format did not always allow us to collect a full and accurate sign-in record from the meeting participants. While it was encouraged for everyone to use the chat function to sign in. Not everyone was online to be able to use the chat function (e.g., those people calling in via their phones) and even those that had access did not always use it. Thus, the sign-in sheets cannot be considered definitive on those who attended and those who did not.

Planning Step 2: Involve the Public


Public stakeholders are defined as any stakeholders not attached to local government in the Sacramento County Planning Area. Up-front coordination discussions with Sacramento County DWR, the County and

City of Sacramento floodplain managers established the initial plan for public involvement. Public involvement activities for this LHMP Update included press releases, social media communications, stakeholder and public meetings, development of an LHMP webpage and associated website postings, the collection of public and stakeholder comments on the draft plan through a variety of mechanisms, and other public outreach activities as further described below, as well as specific targeted outreach to different groups of people and other agencies throughout the plan development process. Information provided to the public included an overview of the mitigation status and successes resulting from implementation of the 2016 Plan as well as information on the processes, new risk assessment data, and proposed mitigation strategies for this 2021 LHMP Update. As part of the Plan development process, a Public Involvement Strategy was developed to ensure a meaningful public process and to focus efforts on maximizing CRS credits for public outreach. This strategy focused on using established public information mechanisms and resources with the community.

Early Public Meeting

Public outreach for this Plan Update began at the beginning of the plan development process with an advertisement placed in the local newspaper, social media, and other local outreach methods (like the flyer shown in Figure 3-2 and social media messages) announcing the public meeting and informing the public of the purpose of DMA, CRS, and the hazard mitigation planning process for the Sacramento County Planning Area. Members of the public were also invited to join the HMPC meetings.

Figure 3-2 Public Invitation Flyer



Help Reduce Disaster Losses in Your Community by Participating in the Sacramento County Local Hazard Mitigation Plan Update

Sacramento County is developing a Local Hazard Mitigation Plan (LHMP) Update to their 2016 plan. The purpose of this LHMP Update is to assess risk to natural hazards, implement actions to reduce future losses, and maintain eligibility for federal mitigation funds in accordance with the Disaster Mitigation Act of 2000. Partners in this planning effort include the incorporated communities of the City of Sacramento, Citrus Heights, Elk Grove, Folsom, Galt, Isleton, and Rancho Cordova and many special districts throughout the County.

What is Hazard Mitigation?

Hazard mitigation means any action taken to reduce or eliminate the long-term risk to human life and property from natural hazards.

Why is Natural Hazard Mitigation Important?

Most people who live or work in Sacramento County have been affected by natural hazards in one way or another. Sacramento County and its residents are vulnerable to a variety of hazards including **floods, levee failure, drought, wildfire, and other severe weather events.**

The rising costs associated with disaster response and recovery have focused the attention of federal, state, and local governments on addressing natural hazards before they occur. Obviously, torrential rains and floods cannot always be prevented from occurring. Planning for natural hazards and implementing mitigation measures, however, can reduce the impact of such events when they do occur. Emergency response and recovery costs; property damage; personal injury and loss of life; and the overall economic and social impact on the community can all be reduced, and in some instances eliminated through natural hazard mitigation.

Hazard Mitigation Plan and Plan Update Process

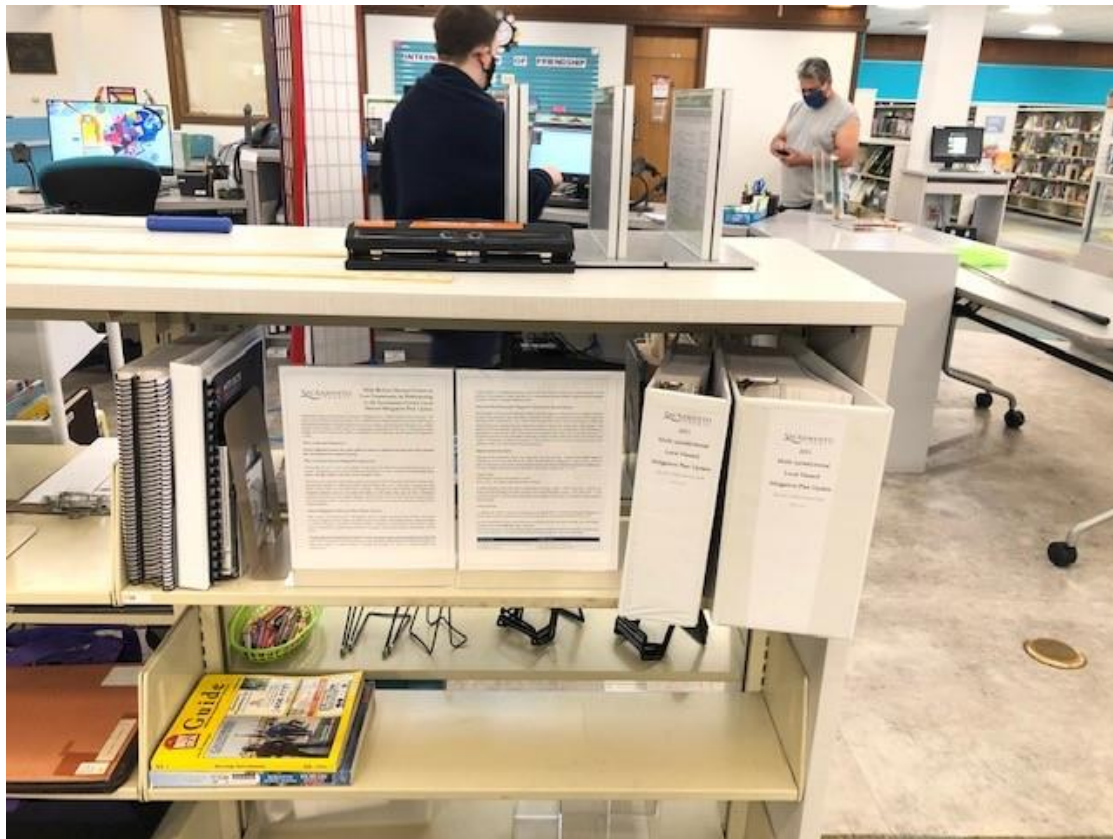
After securing Federal Emergency Management Agency (FEMA) mitigation grant funding, Sacramento County is using the funds to support an update of the 2016 LHMP. This LHMP Update is being developed by a Hazard Mitigation Planning Committee (HMPC) comprised of representatives from various County and City departments; neighboring jurisdictions; key federal, state, and local agency stakeholders; and the public.

The plan will address an updated list of hazards, will assess the likely impacts of these hazards to the people and assets of the Sacramento County planning area, and will also establish updated goals and prioritize projects to reduce the impacts of future disasters on people and property as well as to critical facilities and infrastructure.

Final Public Meeting

The first draft of the Plan was provided to the HMPC in May of 2021, with a public review draft provided in July 2021. A public meeting was held on August 3, 2021 to present the draft LHMP and to collect public comments on the Plan prior to finalization and submittal to Cal OES/FEMA. The public meeting was advertised in a variety of ways to maximize outreach efforts to both targeted groups and to the public at large and included an advertisement in a local newspaper and social media messages inviting the public to attend either the formal public meeting or the planning team meeting at their convenience. The advertisement in the local newspaper included information on the date, location and time of the meeting, where the draft Plan could be accessed in the community, and how to provide comments on the draft LHMP Update. In addition to a copy of the draft Plan being placed on the County website in advance of these meetings, a hard copy of the draft of the Plan was made available to interested parties at the Arcade location of the Sacramento County Public Library:

Figure 3-3 Public Outreach at Main Sacramento County Library – Arcade Location



Source: Sacramento County

Documentation to support the final public meeting can be found in Appendix A. In addition to advertisement for public participation, notices of meetings were sent directly to all persons on the HMPC contact list and also to other agency and key stakeholders with an interest in the Sacramento County Planning Area. The majority of these people reside in Sacramento County or in surrounding communities. Because this is a multi-jurisdictional planning effort, all public outreach activities for this LHMP Update

were conducted in cooperation with and on behalf of Sacramento County and City of Sacramento, as the two CRS communities, as well as for all participating jurisdictions.

The formal public meetings for this project are summarized in Table 3-6.

Table 3-6 Schedule of Public and Stakeholder Meetings

Meeting Type	Meeting Topic	Meeting Date	Meeting Locations
Early Public Meeting	1) Intro to DMA, CRS and mitigation planning 2) 2021 LHMP Update Process	September 15, 2020	Zoom Meeting
Final Public Meeting	1) Presentation of Draft LHMP and solicitation of public and stakeholder comments	August 3, 2021	Zoom Meeting

Where appropriate, stakeholder and public comments and recommendations were incorporated into the final Plan throughout the Plan development process, including the sections that address mitigation goals and strategies. Various public comments were obtained throughout the planning process and prior to Plan submittal to Cal OES and FEMA. A table summarizing the formal public comments received and how they were addressed is included in Appendix A. All press releases, newspaper advertisements and articles, website postings, and public outreach efforts are on file with Sacramento County DWR and are included in Appendix A.

The draft LHMP Update is currently available online on the Sacramento County website at: <https://waterresources.saccounty.net/stormready/Pages/Local-Hazard-Mitigation-Plan-2017-Update.aspx>

Other Public Outreach Efforts

Beyond these more formal public involvement activities, the update process also included the following public outreach activities included in Table 3-7 which are further documented and described in Appendix A. The public outreach activities described here were conducted with participation from and on behalf of all jurisdictions participating in this Plan, including the CRS communities of Sacramento County and the City of Sacramento.

Table 3-7 Other Public Outreach Efforts

Effort	Description
Sacramento County LHMP Update Website	Information on the Plan update process and location of documents, and final HMPC and public meeting locations were posted on the County website. This website also included a link to the Survey. See StormReady.com
Public Outreach Flyer for Kickoff Meeting	An initial public outreach flyer was developed for the initial public and planning team kick off meetings and to use throughout the project as outreach materials.
September 1, 2020 Sacramento County Social Media Posts	Social media message on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.

Effort	Description
September 4, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 8, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 13, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project Kickoff. They all link back to the StormReady webpage where more information on the LHMP Update project can be found.
September 15, 2020 Sacramento County online Ad	Online (Sacramento County website) Ad posted the day of the LHMP Kickoff Meetings advertising the LHMP Project and the Public and HMPC Kickoff Meetings.
October 2020 – September 2021 LHMP Hazard Survey	A public survey was posted on the County’s website inviting the public to comment on how prepared both the County and individuals are for a possible natural disaster, including flood events.
December 1, 2020 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Hazard Survey. They all link back to the Survey as posted on the StormReady County webpage
February 16, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Hazard Survey. They all link back to the Survey as posted on the StormReady County webpage
February 17, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Hazard Survey. They all link back to the Survey as posted on the StormReady County webpage
November 2020 – August 2021 Digital Ads for Survey promotion	Digital ads were developed that ran through the County’s Entercom radio contract. The messages appear once a week as it’s mixed in with County Storm Ready ads. The link goes to the survey. These digital ads are geo-located and target various areas of the County at different times. The ads ran once a week.
December 20-27, 2020 Comcast Commercial for Survey promotion	A commercial was developed in both English and Spanish that ran on numerous channels throughout Sacramento County advertising the LHMP Update Survey and directing them to the StormReady.com website. The commercial appeared on 30 different channels, in 8 different areas/zones in the County and ran 840 times.
Public Outreach Flyer for the Final Public and HMPC meetings and how to submit comments on the Draft Plan	A Public Outreach Flyer was developed to advertise the final Public and HMPC Meetings and to solicit input on the Draft LHMP prior to finalization and submittal to Cal OES and FEMA.
July 28, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project final Public and HMPC meetings and how to review and provide comment on the Draft LHMP. They all link back to the StormReady webpage where the Public Review Draft Plan and more information on the LHMP Update project can be found.
August 2, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project final Public and HMPC meetings and how to review and provide comment on the Draft LHMP. They all link back to the StormReady webpage where the Public Review Draft Plan and more information on the LHMP Update project can be found.

Effort	Description
August 3, 2021 Sacramento County Social Media Posts	Social media messages were posted on Twitter and Facebook advertising the LHMP Project final Public and HMPC meetings and how to review and provide comment on the Draft LHMP. They all link back to the StormReady webpage where the Public Review Draft Plan and more information on the LHMP Update project can be found.
Public Outreach at Sacramento County Public Library, Downtown (Arcade) Location	The County placed the draft plan in the reference section at the Sacramento County Public Library, Downtown (Arcade) location. Invitations were placed on social media, the County website, and as part of the advertisements for public meetings to let the public know that the documents were there for review and input as well as in electronic format on the LHMP website.

Public Outreach Survey

An integral element in hazard mitigation planning is broad public participation. Information provided by residents fosters a better understanding of local hazard concerns and can spawn innovative ideas to reduce impacts of future hazard events. A public opinion survey was accomplished to gather information from Sacramento County Planning Area residents concerning local hazards. The survey was located on the County’s LHMP website and survey participation was promoted through public meetings, program websites, press releases, social media, and other public outreach events as previously described. Following is a summary of survey results.

- 190 individuals took the survey.
- 51 out of the 190 people who responded were extremely concerned about the possibility of the community being affected by a disaster.
- Wildfire, drought, flood, and levee failure were hazards of greatest concern.
- 52 out of 183 respondents noted that their house was in a floodplain, 50 out of 183 didn’t know if their home was in a floodplain.
- 85 out of 182 respondents noted that their house was protected by a levee, 31 out of 183 didn’t know if their home was protected by a levee.
- 87 out of 181 respondents had experienced a natural disaster.
- TV, email, direct mailings, and social media were the best choices to reach the public regarding disaster information and making homes more disaster resistant.

The full survey and survey results are included in Appendix H.

Program for Public Information (PPI) Strategy

As part of their overall flood outreach programs, Sacramento County and the City of Sacramento have in place a Program for Public Information (PPI) strategy designed to maximize credits under CRS Activity 330, Outreach Projects. The objective of CRS credit for a PPI is to provide additional credit for information programs that are designed to meet local needs and that are monitored, evaluated, and revised to improve their effectiveness. The PPI is an ongoing public information effort to design and transmit the messages that the community determines are most important to its flood safety and the protection of its floodplains’ natural functions. Program elements include instructing residents on actions they should take before, during and after storm events to mitigate their flood risk. These actions can include being aware of your own flood

risk, implementing mitigation options available such as elevating or retrofitting a home, or understanding the benefits of purchasing flood insurance, even if a resident is outside of a federal flood hazard area.

These County and City PPI programs are important to consider in the development and implementation of this LHMP Update to ensure coordination and effectiveness of all public outreach and education efforts in the Sacramento County Planning Area.

Planning Step 3: Coordinate with Other Departments and Agencies

Early in the planning process, the HMPC determined that data collection, mitigation strategy development, and Plan approval would be greatly enhanced by inviting other local, state and federal agencies and organizations to participate in the process. Based on their involvement in hazard mitigation planning, their landowner status in the County, and/or their interest as a neighboring jurisdiction, representatives from the following agencies were invited to participate on the HMPC:

- American Red Cross
- Bureau of Reclamation
- Cal FIRE
- Cal Trans
- California Department of Fish and Game
- California Department of Water Resources
- California Highway Patrol
- California Office of Emergency Services
- California State Fire Marshall
- California State Parks
- Community Services Districts in the County
- FEMA Region IX
- Fire Protection Districts in the County
- Local FireWise communities
- Local Reclamation Districts
- National Weather Service/NOAA
- Pacific Gas & Electric
- Surrounding County OES leads
- United States Bureau of Reclamation
- United States Department of Agriculture
- United States Corps of Engineers
- United States Forest Service
- University of California Cooperative Extension

Coordination with key agencies, organizations, and advisory groups throughout the planning process allowed the HMPC to review common problems, development policies, and mitigation strategies as well as identifying any conflicts or inconsistencies with regional mitigation policies, plans, programs and regulations. Coordination involved contacting these agencies through a variety of mechanisms and informing them on how to participate in the LHMP Update process and if they had any expertise or assistance they could lend to the planning process or specific mitigation strategies. Coordination with these groups included, holding face-to-face meetings, sending outreach e-mails, some with follow up phone calls; and making phone calls alone to out of area agencies. All of these groups and agencies were solicited asking for their assistance and input, telling them how to become involved in the LHMP Update process, and

inviting them to HMPC meetings. This coordination with other agencies is documented in Appendix A and includes a summary table of who was contacted, the method of contact, and the purpose. Supporting documentation such as emails and meeting logs are also included.

In addition, as part of the overall stakeholder and agency coordination effort, the HMPC coordinated with and utilized input to the LHMP update from the following agencies:

- al-Adapt
- Cal Atlas
- Cal OES
- CAL FIRE
- Cal Trans
- California Department of Conservation
- California Department of Finance
- California Department of Fish and Wildlife
- California Department of Food and Agriculture
- California Department of Parks and Recreation
- California Department of Water Resources
- California Division of Mines and Geology
- California Employment Development Department
- California Geological Survey
- California Invasive Plant Council
- California Natural Resources Agency
- FEMA Region IX
- Library of Congress
- National Drought Mitigation Center
- National Levee Database
- National Oceanic and Atmospheric Association
- National Performance of Dams Program
- National Register of Historic Places
- National Resource Conservation Service
- National Response Center
- National Weather Service
- Pacific Gas and Electric
- Public Policy Institute of California
- United States Army Corps of Engineers
- United States Bureau of Land Management
- United States Bureau of Reclamation
- United States Department of Agriculture
- US Department of Transportation
- United States Farm Service Agency
- United States Forest Service
- United States Geological Survey
- United States Occupational Health and Safety Agency
- Western Regional Climate Center

Several opportunities were provided for the groups listed above to participate in the planning process. At the beginning of the planning process, invitations were extended to many of these groups to actively participate on the HMPC. Specific participants from these groups are detailed in Appendix A. Others

assisted in the process by providing data directly as requested in the Data Worksheets or through data contained on their websites or as maintained by their offices. Further as part of the public outreach process, all groups were invited to attend the public and HMPC meetings and to review and comment on the Plan prior to submittal to CAL OES and FEMA. In addition, as part of the review of the draft plan, key agency stakeholders were contacted and their comments specifically solicited as described further in this Section and included in Appendix A.

Other Community Planning Efforts and Hazard Mitigation Activities

Coordination with other community planning efforts is also paramount to the success of this plan. Hazard mitigation planning involves identifying existing policies, tools, and actions that will reduce a community's risk and vulnerability to hazards. Sacramento County uses a variety of comprehensive planning mechanisms, such as general plans and ordinances, to guide growth and development. Integrating existing planning efforts and mitigation policies and action strategies into this LHMP Update establishes a credible and comprehensive Plan that ties into and supports other community programs. The development of this LHMP Update incorporated information from the following existing plans, studies, reports, and initiatives as well as other relevant data from neighboring communities and other jurisdictions.

- CAL OES plans and data
- California Department of Finance demographic documents
- California Department of Water Resources plans and information
- California Geological Survey Plans
- CAL FIRE Fire Plans and data
- Climate Adaptation Plans
- CWPPs
- Emergency Operations Plans
- Evacuation Plans
- FEMA mitigation planning documents
- Flood Insurance Studies
- General Plans – County and Cities
- National Weather Service documents
- Stormwater Master Plans
- US Department of Agriculture Reports
- US Department of Interior Plans
- US Fish and Wildlife reports
- USGS Reports

Specific source documents are referenced at the beginning of each section of Chapter 4 and in Appendix B. These and other documents were reviewed and considered, as appropriate, during the collection of data to support Planning Steps 4 and 5, which include the hazard identification, vulnerability assessment, and capability assessment. Data from these plans and documents were incorporated into the risk assessment and hazard vulnerability sections of the Plan. Where the data from the existing studies and reports is used in this LHMP Update, the source document is referenced throughout this Plan. The data was also used in determining the capability of the community in being able to implement certain mitigation strategies. Appendix B, References, provides a detailed list of references used in the preparation of this LHMP Update.

3.2.2. Phase 2: Assess Risks

Planning Steps 4 and 5: Identify the Hazards and Assess the Risks

Foster Morrison led the HMPC in a research effort to identify, document, and profile all the hazards that have, or could have, an impact the Sacramento County Planning Area. Starting with the 2016 Plan, natural hazards of concern were added, deleted, and modified for this LHMP Update. Data collection worksheets were developed and used in this effort to aid in determining hazards and vulnerabilities and where the risk varies across the Planning Area. Geographic information systems (GIS) were used to display, analyze, and quantify hazards and vulnerabilities.

The HMPC also conducted a capability assessment to review and document the Planning Area's current capabilities to mitigate risk from and vulnerability to hazards. By collecting information about existing government programs, policies, regulations, ordinances, and emergency plans, the HMPC could assess those activities and measures already in place that contribute to mitigating some of the risks and vulnerabilities identified.

Also addressed in the risk assessment of this 2021 LHMP is an assessment of the County's floodplain management program and participation in the National Flood Insurance Program (NFIP), including a discussion of their continued compliance with NFIP requirements and their CRS program. However, it should be noted that this applies only to eligible NFIP communities. Participating special districts to this LHMP Update do not address their compliance with the NFIP as they are not eligible to participate in this program.

A more detailed description of the risk assessment process, methodologies, and results are included in Chapter 4 Risk Assessment.

3.2.3. Phase 3: Develop the Mitigation Plan

Planning Steps 6 and 7: Set Goals and Review Possible Activities

Foster Morrison facilitated brainstorming and discussion sessions with the HMPC that described the purpose and process of developing planning goals and objectives, a comprehensive range of mitigation alternatives, and a method of selecting and defending recommended mitigation actions using a series of selection criteria. This information is included in Chapter 5 Mitigation Strategy. Additional documentation on the process the HMPC used to develop the goals and mitigation strategy is in Appendix C.

Planning Step 8: Draft an Action Plan

Based on input from the HMPC regarding the draft risk assessment and the goals and activities identified in Planning Steps 6 and 7, a complete first draft of the LHMP Update was developed. This complete draft was provided for HMPC review and comment via a Dropbox web link. Other agencies and the Public HMPC and Steering Committee members were invited to comment on this draft as well. HMPC and agency comments were integrated into the second public review draft, which was advertised and distributed to collect public input and comments. The HMPC integrated comments and issues from the public, as

appropriate, along with additional internal review comments and produced a final draft for CAL OES and FEMA Region IX to review and approve, contingent upon final adoption by governing boards of all participating jurisdictions.

3.2.4. Phase 4: Implement the Plan and Monitor Progress

Planning Step 9: Adopt the Plan

In order to secure buy-in and officially implement the LHMP Update, the Plan was adopted by the governing boards of each participating jurisdiction using the sample resolution contained in Appendix D.

Planning Step 10: Implement, Evaluate, and Revise the Plan

The true worth of any mitigation plan is in the effectiveness of its implementation. Up to this point in the planning process, all of the HMPC's efforts have been directed at researching data, coordinating input from participating entities, and developing appropriate mitigation actions. Each recommended action includes key descriptors, such as a lead manager and possible funding sources, to help initiate implementation. An overall implementation strategy is described in Chapter 7 Plan Implementation and Maintenance.

Finally, there are numerous organizations within the Sacramento County Planning Area whose goals and interests interface with hazard mitigation. Coordination with these other planning efforts, as addressed in Planning Step 3, is paramount to the implementation and ongoing success of this plan and mitigation in Sutter County and is addressed further in Chapter 7.

Implementation and Maintenance Process: 2013

The 2016 Sacramento County, California Local Hazard Mitigation Plan Update included a process for Plan maintenance and implementation of the mitigation strategy as well as formal updates to the Plan document. The 2016 process called for quarterly and annual reviews with the status of mitigation strategy implementation documented in an annual report. In addition, the 2016 process called for a formal plan update as required by DMA regulations every 5 years. This 2021 LHMP Update, once approved and adopted, will meet the DMA formal 5-year update requirement.

In addition, the 2016 LHMP was relied on and integrated into other planning mechanisms in the County. Table 3-8 lists the planning mechanism the 2016 LHMP Update was integrated into by Sacramento County.

Table 3-8 Incorporation of 2016 Sacramento County LHMP Update into Other Planning Mechanisms

Planning Mechanism 2016 LHMP Was Incorporated or Implemented Through	Details
EOP updates	The EOP used the risk assessment from the 2016 LHMP to inform the hazard descriptions in the EOP update and other LHMP areas were incorporated to the extent they aligned with the EOP.
General Plan Safety Element	The 2016 LHMP was incorporated by reference into the Safety Element of the General Plan
Flood Safety Plans	The 2016 LHMP was considered in the development/update of recent flood plans in Sacramento County.
Delta Small Communities Plans for Sacramento County communities	The 2016 LHMP was considered in the development of recent flood plans in Sacramento County. Specifically, it was considered in the development of the Flood Risk Reduction plans for each small community as well as for a funding mechanisms for the implementation of resulting small community projects

The LHMP implementation and maintenance process as set forth in the 2016 Plan has been updated for this LHMP Update. The revised update implementation and maintenance process for the Sacramento County 2021 LHMP Update is set forth in Section 7 of this Plan document. A strategy for continued public involvement for this update process is also included in Chapter 7.