

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 2011 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 plan, 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 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 NFIPs 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 participating special districts made a commitment to this 2016 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 the Sacramento County Planning Area’s HMPC, “participation” meant the following:

- Providing facilities for meetings;
- Providing printed materials and refreshments for meeting attendees;
- 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; including annexes
- Providing two (2) hardcopy Draft documents of 2000+ pages 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.

The County and all jurisdictions with annexes to this plan seeking FEMA approval met all of these participation requirements. In most cases one or more representatives for each jurisdiction attended the HMPC meetings described in Table 3-4 and also brought together a local 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 were selected based on their areas of expertise relative to the CRS mitigation categories as detailed in Table 3-1 and Table 3-2. In addition, the Sacramento County Community Development Department, Planning and Environmental Review Division, Long Range Planning Section (Todd Taylor, Associate Planner and Mike Winter, Senior Planner) and the City of Sacramento, Community Development Department (Remi Mendoza, Associate Planner, Long Term Planning) in association with planners from many of the other cities and Foster Morrison Planners were involved in the development of this Plan Update through attendance at meetings, coordination, providing data, future land use planning support, and help with meeting facilitation. In addition to attending meetings, providing draft text for inclusion in the plan, reviewing plan documents, and coordinating input from other departments and stakeholders, Sacramento County and City of Sacramento planners also provided information on development since the last plan, mapping, text, and details on future development areas, input on current mitigation capabilities, and new and in-progress modifications to the General Plan and associated documents specific to Sacramento County’s and City of Sacramento’s floodplain management provisions for regulating to the 200-year level of flood protection.

Table 3-1 Sacramento County 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							
Community Development Department/Planning and Environmental Review Division, Long Range Planning Section– Todd Taylor	X	X	X			X	X
Emergency Services – Steve Catalme/Roger Ince	X	X	X	X	X	X	X
Department of Water Resources, Flood Management and Engineering/Sacramento County Water Agency-George Booth	X	X	X	X	X	X	X
Department of Water Resources, Flood Management and Engineering – Celine Livengood	X	X	X			X	X
County Sustainability Manager, Department of Waste Management and Recycling – Judy Robinson	X					X	X
Public Information – Diane Margetts/Mathew Robinson	X					X	X
City of Sacramento							
Community Development Department/Long Term Planning – Remi Mendoza	X	X	X			X	X
*Emergency Services – Jason Sirney	X	X	X	X	X	X	X
Department of Utilities – Floodplain Management/Engineering – Kelly Sherfey	X	X	X	X	X	X	X
Public Information – Rhea Serran	X					X	X

Specific individuals representing Sacramento County and City of Sacramento (CRS communities) departments and other 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); 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 2011 plan and includes an assessment of the success of the participating communities 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.

The process followed to update the plan is detailed in the above table and the sections that follow and is in conformance with the latest DMA planning guidance and the CRS 2013 Coordinator’s Manual. As part of this Plan Update, all sections of the plan were reviewed and updated to reflect new data, processes,

participating jurisdictions, and resulting mitigation strategies. Only the information and data still valid from the 2011 plan 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, the City of Sacramento's and other participating jurisdictions' commitment to participate in the DMA planning process and the CRS program, Foster Morrison worked with the 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 Plan Update process. At the beginning of this planning process, a resolution was passed by Sacramento County establishing the planning process and the HMPC. These executed resolution is included in Appendix A.

The initial kick-off meetings were held on April 5 and 6, 2015. To better facilitate the planning process, for each planned meeting, duplicate meetings were held in the northern part of the County (City of Sacramento) and the southern part of the County in Elk Grove or Hood/Courtland. Invitations to these kickoff meetings were extended to key county departments, the seven incorporated communities, special districts located within the planning area, 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 participating jurisdictions and HMPC members to the 2011 plan were used as a starting point for the invite list, with additional invitations extended as appropriate throughout the planning process. The list of initial invitees is included in Appendix A.

The HMPC was established as a result of these initial meetings, as well as through interest generated through the initial public meetings 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 plan with leadership from the County DWR and facilitation by Foster Morrison. Each participating jurisdiction seeking FEMA approval of the plan had representation on the HMPC. The HMPC was comprised of members of the steering committee established for this process (as discussed further in this section) as well as other representatives from key county, city, and other government agencies, key stakeholders, and the public, with an interest in hazard mitigation. The following participated on the HMPC:

Sacramento County

- Agriculture Department
- Airports
- Assessor
- Community Development, Planning and Environmental Review
- Emergency Services
- Geographic Information Systems
- Health and Human Services, Public Health
- Fire
- Planning Department

- Regional Parks
- Sheriff
- Sustainability
- Transportation
- Waste Management and Recycling
- Water Quality
- Water Resources

Participating Cities

- City of Citrus Heights
- City of Elk Grove
- City of Folsom
- City of Galt
- City of Isleton
- City of Rancho Cordova
- City of Sacramento

Other Government and Stakeholder Representatives:

- Brannan Andrus Levee Maintenance District* and Reclamation Districts 317, 407, 2067
- California Department of Water Resources (Cal DWR)
- Consumnes Fire*
- Environmental Coalition for Water Justice
- Folsom Fire Safe Council
- Herald Fire Protection District
- Golden State Water Company
- Los Rios Community College*
- National Weather Service
- Reclamation District 3*
- Reclamation District 341*
- Reclamation District 369*
- Reclamation District 551*
- Reclamation District 554*
- Reclamation District 556*
- Reclamation District 563*
- Reclamation District 755
- Reclamation District 800*
- Reclamation District 813
- Reclamation District 1000*
- Reclamation District 1002*
- Reclamation District 1601*
- Reclamation District 2010
- Reclamation District 2111*
- Sacramento State
- Sacramento Metro Air Quality Management District
- Sacramento Metro Fire District*
- Sacramento Municipal Utility District
- State DWR MA9
- Southgate Park and Rec District*

- Sacramento County Regional Sanitation District*
- Sacramento Area Sewer District*
- Twin Rivers Unified School District*
- UC Davis, Capital Region Climate Readiness Collaborative

*Indicates participating jurisdiction seeking FEMA approval of this plan

Citizens

- Alan Vail, VCS Consulting
- Amber Mace
- Bill Virvitch
- Charlie Moore
- Chris Ferrerai, GEI Consultants
- Colin Bailey
- Connie Gutowsky
- Dan Henderson, ESRI
- Emmerson Zapata
- Frederick Gayle
- George Whitney
- Heinz Lorza Saberig
- Homer Herod
- Joyce Dibble
- Katherine Teteak
- Karla Tejada
- Kirkland Stout
- Lance Armstrong
- Maria Lopez Lee
- Meg Arnold, Valley Vision
- Mike Miramazehere
- Tim Franusich
- Paul Franusich
- Peter Stone
- Richard Coombs, Nepenthe/Campus Commons, Insurance, Legal, & Safety Committee
- Robert Mead
- Ross Dibble
- Russ Ekman
- Sami Nall
- Tim Hodgson, Courtland Town Association
- Walt Hoppe
- Warren Teateak

A list of participating HMPC representatives for each participating jurisdiction is included in Appendix A. The above list of HMPC members also includes several other government and stakeholder representatives that were invited to participate and contributed to the planning process. This list includes all HMPC members that attended one or more HMPC meetings detailed in Table 3-4. In addition to providing representation on the HMPC and Steering Committee, participating jurisdictions formulated their own internal planning teams to collect and provide requested data and to conduct timely reviews of the draft documents as further detailed in each annex to this plan and as detailed in the list of HMPC representatives for Sacramento County.

Steering Committee

The HMPC includes both a Steering Committee and the larger working group. The Steering Committee is the policy body which has primary input and decides what is included in the plan document. The larger working group provides data and information to the Steering Committee for consideration. The Steering Committee is comprised of a key representative from the County and each incorporated community, and other agency 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. See Table 3-3 and Appendix A for details on the makeup of the Steering Committee.

Table 3-3 Sacramento County LHMP Steering Committee

Community/Representative	Department/Organization	Citizen	Stakeholder	# Meetings
Sacramento County				
George Booth	Department of Water Resources		X	4
City of Citrus Heights				
Kevin Becker	Department of Public Works/Principal Engineer		X	2
City of Elk Grove				
Connie Nelson			X	5
City of Folsom				
Allan Laca	Department of Public Works/Sr. Civil Engineer		X	4
City of Galt				
Bill Forrest	Department of Public Works/Sr. Civil Engineer		X	4
Town of Isleton				
Romi Balbini	Director of Public Works		X	4
City of Rancho Cordova				
Allen Quynn	Department of Public Works/Assoc. Civil Engineer		X	5
City of Sacramento				
Kelly Sherfey	Department of Utilities, Floodplain Management/Engineering		X	5
Permanent Public Stakeholders				
Robert Mead	Resident	X		5
Chris Ferrari	Resident/GEI	X		4
Walt Hoppe	Resident	X		4
Meg Arnold	Valley Vision	X	X	3
Alan Vail	Resident/VCS Consulting	X		3
Tim Hodgson	Resident	X		3

Community/Representative	Department/Organization	Citizen	Stakeholder	# Meetings
Maria Lorenzo-Lee	Resident	X	X	3
Richard Coombs	Campus Commons/Nepenthe Insurance, Legal & Safety	X	X	4
Dan Henderson	Esri	X	X	2
Mike Miramazehere	GEI Consultants	X	X	2
Connie Gutowsky	Resident	X	X	2
Other Public Stakeholders:				
Sami Nall	Cal DWR	X	X	1
Kirkland Stout	Sacramento State	X		1
Amber Mace	UC Davis	X	X	1
Kathleen Ave	Cap Region Climate Readiness/SMUD	X	X	1
Bill Virvitch	Resident	X		1
Ross Dibble	Resident	X		1
Joyce Dibble	Resident	X		1
Pam Hodgson	Resident	X		1
Tim Franesich	Resident	X		1
Paul Franusich	Resident	X		1
Homer Herod	Resident	X		1
Bob Berger	Resident	X		1
Peter Stone	Resident	X		1
Heinz Lorza Saberig	Resident	X		1
Emmerson Zapata	Resident	X		1
Lance Armstrong	Resident	X		1
Charlie Moore	Resident	X		1
Karla Tejada	Golden State Western Company	X	X	1
George Whitney	Resident	X		1
Colin Bailey	Env. Justice Coalition for Water	X	X	1
Frederick Gayle	Resident, Surburan Water District	X	X	1
Russ Ekman	State DWR MA09	X	X	1

Table 3-3 demonstrates the Sacramento County HMPC/Steering Committee members' expertise in the six mitigation categories (Prevention, Property Protection, Emergency Services, Natural Resource Protection, Structural Flood Control Projects, and Public Information) The Sacramento County and City of Sacramento (as the CRS communities) staff responsible for community land use and comprehensive planning for the County were active participants on the HMPC and provided data and information to support development of the plan. Specifically, this includes the Planning Services Divisions of the Community Development Departments from Sacramento County and the City of Sacramento as previously described. The support

of staff from all participating jurisdictions were called upon to collect and provide requested data and to conduct timely reviews of the draft documents. Note that the above list of HMPC and steering committee members also includes citizens and several other government and stakeholder representatives that contributed to the planning process. Specific participants from these other agencies are identified above and, with supporting documentation included in Appendix A.

Meetings

The planning process officially began with a kick-off meeting held in both the northern portion of the City of Sacramento in the Natomas area, and in the Southern part of the County in Elk Grove, on April 5 & 6, 2016, followed by public kick-off meeting held the same day as each of the two meetings at 6:00 pm at the same locations. 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 2011 plan. A copy of the worksheets for this project are included in Appendix A. The County and each jurisdiction seeking FEMA approval of this Plan Update completed and returned the worksheets to Foster Morrison for incorporation into the plan document.

During the planning process, the HMPC communicated through face-to-face meetings, email, telephone conversations, file transfer protocol (ftp) and 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 LHMP website can be accessed at:

- Sacramento County – <http://www.waterresources.saccounty.net/stormready/Pages/Hazard-Mitigation-Planning-Committee-2016-Plan-Update.aspx>

The HMPC met formally five times during the planning period (April 2016 – November 2016) 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 3-4. Agendas and sign-in sheets for each of the meetings are included in Appendix A.

In addition to the five HMPC meetings, an additional HMPC/community meeting was held the evening of June 21, 2016 as an extension of HMPC Meeting #2. This meeting was held in the Delta area at the Courtland Fire House to provide a local forum for both the participating Delta RDs and the community members to participate in the LHMP Update process. This Delta-focused meeting combined the elements of both the kickoff meeting and HMPC #2 for this LHMP Update process and also included information on the Emergency Action Planning being done to address flood emergencies in the Delta area. Similarly, an additional HMPC meeting was held in the Delta area on September 9, 2016 as an extension of HMPC #3 and #4, the mitigation strategy meetings, with a focus on Delta participants. These meetings are also included in the table below.

Table 3-4 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	4/5 & 6, 2016	South Natomas Community Center, Sacramento and Laguna Town Hall, Elk Grove
HMPC #2	1) Risk assessment overview and work session -CRS Step 4: Assess the Hazard -CRS Step 5: Assess the Problem	6/21 & 22, 2016	Bannon Creek Elementary School, Sacramento and Laguna High School, Elk Grove
Delta Area Meeting	1) Introduction to DMA and the planning process 2) Risk assessment overview and work session 3) Emergency Action Planning Status	6/21, 2016	Courtland Fire House, Hood/Courtland
HMPC #3	1) Review of risk assessment summary 2) Review and update of mitigation goals -CRS Step 6: Set Goals -CRS Step 7: Review possible activities	7/12, 2016	Bannon Creek Elementary School, Sacramento and Laguna High School, Elk Grove
HMPC #4	1) Review of mitigation alternatives 2) Review and update of mitigation actions from the 2010 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	7/13, 2016	Bannon Creek Elementary School, Sacramento and Laguna High School, Elk Grove
Delta Area Meeting	1) Review of RD participation in this LHMP Update Process 2) Review and discussion of hazard risks and vulnerabilities in the Delta area 3) Review and discussion of potential mitigation alternatives 4) Overview and development of RD annexes	9/9, 2016	Courtland Fire House, Hood/Courtland
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	9/16 & 17, 2016	South Natomas Community Center, Sacramento and Courtland Fire House, Hood/Courtland

Planning Step 2: Involve the Public

Up-front coordination discussions with the Sacramento County Department of Water Resources, City of Sacramento Utilities Department, respective planning staff and floodplain managers established the initial plan for public involvement. Public involvement activities for this Plan 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 county and incorporated municipalities. Information provided to the public included an overview of the mitigation status and successes resulting from implementation of the 2011 plan as well as information on the processes, new risk assessment data, and proposed mitigation strategies for this Plan Update. As part of the plan development process, a Public Involvement Strategy was also developed to ensure a meaningful public process and to focus efforts on maximizing CRS credits for public outreach. At the planning team kick-off meetings, the HMPC discussed additional strategies for public involvement and agreed to an approach using established public information mechanisms and resources within the community.

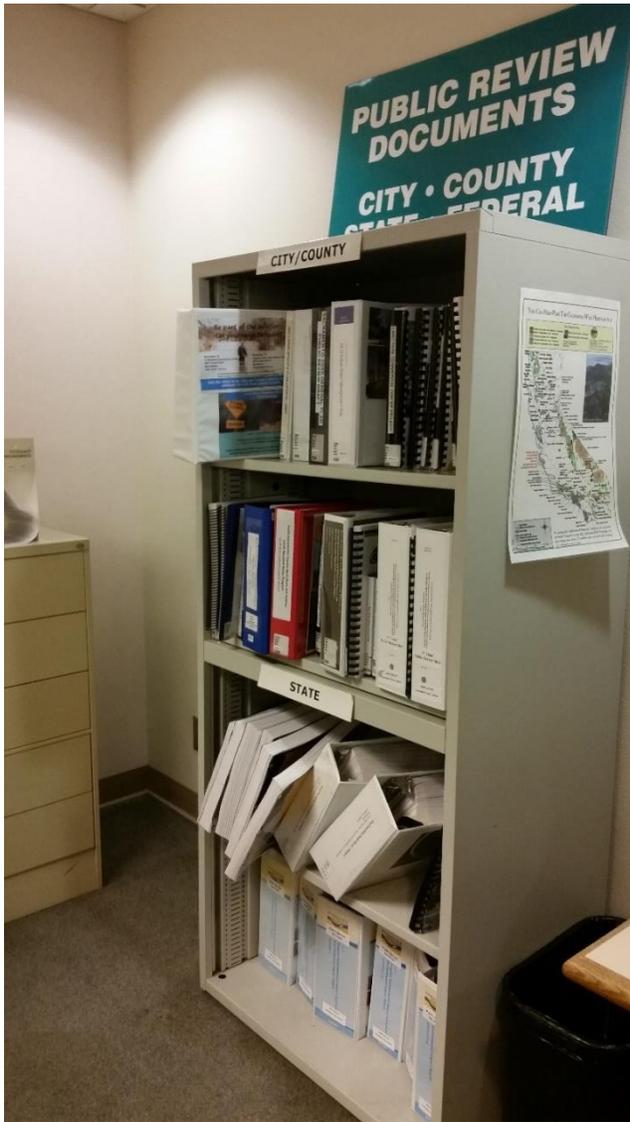
Early Public Meetings

Public outreach for this Plan Update began at the beginning of the plan development process with an advertisement placed in the local newspaper and other local outreach methods to inform the public of the purpose of the DMA and the hazard mitigation planning process for the Sacramento County Planning Area and an advertisement placed to invite the public to early public meetings held in duplicate in the northern portion of the City of Sacramento and the southern portion of the County to kick-off the project on April 5 & 6, 2016 at the South Natomas Community Center in Sacramento and Laguna Town Hall in Elk Grove. These meeting locations were selected for easy access for all area residents.

Final Public Meetings

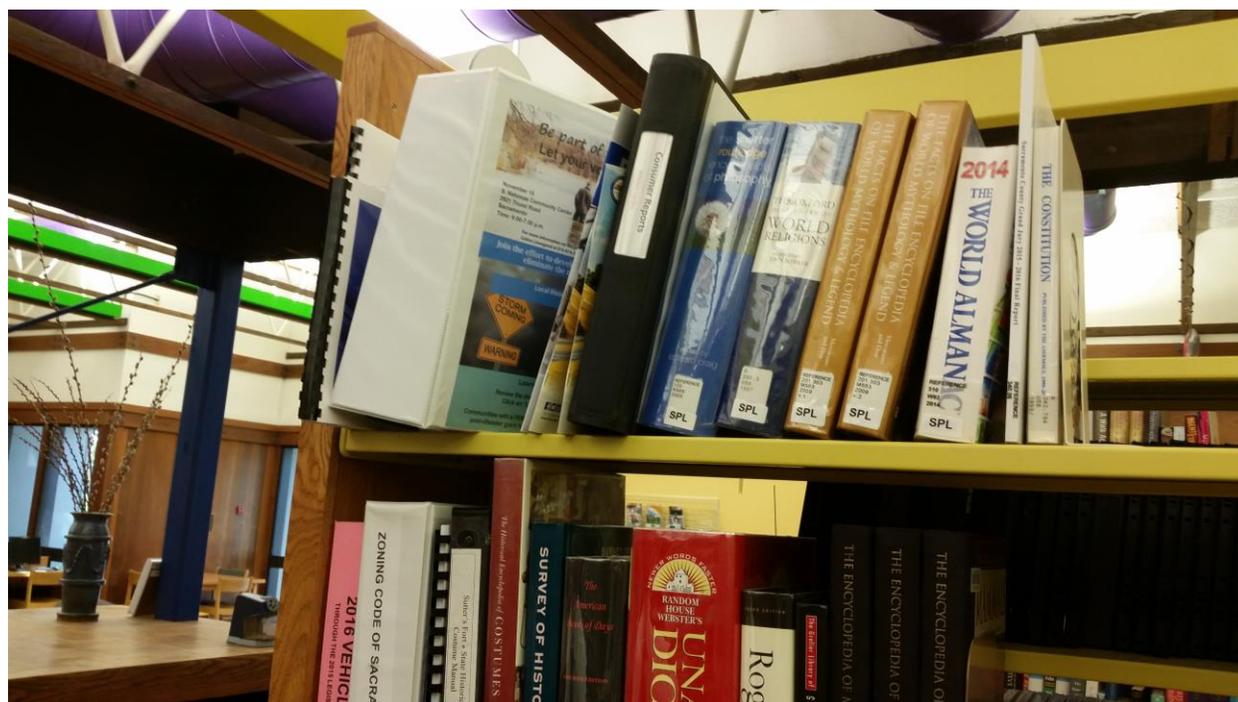
The first draft of the plan was provided to the HMPC in September of 2016, with a public review draft provided in October of 2016. Two public meetings were held on November 15 & 16, 2016 to present the draft LHMP and to collect public comments on the plan prior to finalization and submittal to Cal OES/FEMA. Public meetings were 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 two local newspapers inviting the public to attend either the formal public meetings or the planning team meetings at their convenience. The advertisement in the local newspapers 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 plan. Similar to the early public meetings, the two public meetings on the draft plan were held in the northern and southern sides of the County to facilitate participation by all Planning Area residents. In addition to a copy of the draft plan being placed on the County website in advance of these meetings, hard copies of the draft of the plan were made available to interested parties at two Sacramento County Public Libraries: The Main Sacramento County library and the library in Elk Grove.

Figure 3-1 Public Outreach at Main Sacramento County Library



Source: Sacramento County

Figure 3-2 Public Outreach at Fair Oaks Library



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 Plan Update were conducted in cooperation with and on behalf of Sacramento County and the City of Sacramento, as the two CRS communities, the other incorporated communities, and all participating jurisdictions. The formal public meetings for this project are summarized in Table 3-5. As mentioned above, the Delta meeting held on June 21, 2016 is also included in the list of public meetings as it was a combined HMPC/Public meeting specific to the Delta community.

Table 3-5 Schedule of Public and Stakeholder Meetings

Meeting Type	Meeting Topic	Meeting Date	Meeting Locations
Early Public Meetings	1) Intro to DMA, CRS and mitigation planning 2) 2016 LHMP Update Process	4/5 & 6, 2016	South Natomas Community Center, Sacramento and Laguna Town Hall, Elk Grove
Delta HMPC/Community Meeting	1) Introduction to DMA and the planning process 2) Risk assessment overview and work session 3) Emergency Action Planning Status	6/21, 2016	Courtland Fire House, Hood/Courtland

Meeting Type	Meeting Topic	Meeting Date	Meeting Locations
Final Public Meetings	1)Presentation of Draft LHMP and solicitation of public and stakeholder comments	10/ 15 & 16, 2016	Courtland Fire House, Hood/Courtland and Laguna Creek High School, Elk Grove

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. No formal comments were provided on the draft plan. All press releases, newspaper advertisements and articles, website postings, and public outreach efforts are on file with the Sacramento County DWR and City of Sacramento Department of Utilities and are included in Appendix A.

Other Public Outreach Efforts

Beyond these more formal public involvement activities, the update process also included the following public outreach activities included in Table 3-6 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 3-6 Other Public Outreach Efforts

Effort	Description
Public Outreach Flyer	An initial public outreach flyer was developed for use at all public events and meetings. A second public outreach flyer was developed for public outreach on the draft plan and prior to final HMPC and public meetings. These flyers are referenced below in these other public outreach activities.
Article in Newspaper	An article was published in the Elk Grove Citizen after the Kickoff meetings to make citizens in the County aware of the hazard mitigation update process and invite participation and attendance at upcoming HMPC and Public Meetings
Survey	A public survey was posted on the County’s website at the beginning of the planning process inviting the public to comment on how prepared both the County and individuals are for a possible natural disaster, including flood events
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. Links to the County website were placed on websites from the other incorporated communities. This website also included a link to the Survey.
Delta Area Community & HMPC Meeting	This meeting was held in the Delta area at the Courtland Fire House to provide a local forum for both the participating Delta RDs and the community members to participate in the LHMP Update process.
SAFCA Assessment Meetings – Joe Mims Jr. Comm. Center, May 11, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, representatives of the American River Flood Control District, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.

Effort	Description
SAFCA Assessment Meetings – George Sim Comm. Center, May 11, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meetings – Johnson Comm. Center, May 12, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, representatives of the American River Flood Control District, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meetings – South Natomas Comm. Center, May 12, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, RD 1000, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meetings – Heron School, May 17, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, RD 1000, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meetings – Clunie Comm. Center, May 17, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, American River Flood Control District, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meetings – Elks Lodge #6, May 18, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meetings – Samuel Pannell Comm. Center, May 18, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meeting – Sierra 2 Center, May 19, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
SAFCA Assessment Meeting – Sierra Oaks Elementary School, May 19, 2016	Targeted community meeting to discuss flood control assessment and discuss flood risk to the community. This meeting was attended by City of Sacramento Staff, SAFCA staff, American River Flood Control District, and the Public. Information (Public Outreach Flyer) on the LHMP Update process and how to get involved was distributed at these meetings.
Bay Stone Lake Community Meeting	This meeting was held in the Bay Stone Lake Community area on August 30 th , 2016 to discuss mitigation options for area residents in flood prone areas. The meeting started with a discussion of the LHMP Update and mitigation options such as home elevation.
Sacramento County Storm Water Quality Division Exhibit at State of California, Green Fair Event	Sacramento Water Quality Division had an exhibit at the State of California, Department of Technology, Green Fair Event in Rancho Cordova. This meeting targeted state employees. The exhibit included information on the LHMP Update process and how to get involved. The public information flyer was included as a handout.

Effort	Description
Public Outreach at Sacramento County Public Library, Sacramento County Main Library location	The County placed the draft plan in the reference section at the Sacramento County Public Library, Main Library location. Invitations were placed on Facebook, the County website, and as part of the advertisement for public meetings to let the public know that the documents were there for review and input.
Public Outreach at Sacramento County Public Library, Sacramento County Elk Grove Library location	The County placed the draft plan in the reference section at the Sacramento County Public Library, Elk Grove Library location. Invitations were placed on Facebook, the County website, and as part of the advertisement for public meetings to let the public know that the documents were there for review and input.
Supervisor Kennedy's Public Meeting Fern Bacon Middle School, October 27, 2016	A brief overview of the LHMP plan update was given by the Sacramento County Department of Water Resources at this Supervisor's public meeting and the LHMP public information flyer was provided to meeting attendees. This flyer provided information on where and how the Public Review Draft could be reviewed, information on upcoming public meetings on the draft plan, and how to provide comments. County DWR also provided 500 Storm Ready Kits to attendees.
Directed email Outreach to Sacramento Residents	November 2, directed email to Sacramento residents previously showing interest in the LHMP Update process. This email requested a review and comment on the LHMP Public Review Draft and participation in the Hazard Survey.

The draft plan is currently available online on the Sacramento County website at: <http://www.waterresources.saccounty.net/stormready/Pages/Hazard-Mitigation-Planning-Committee-2016-Plan-Update.aspx>. 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, other incorporated communities, and participating jurisdictions.

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 area residents concerning local hazards. The survey was located on the County's LHMP website throughout most of the planning process 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.

- 21 individuals took the survey.
- Over half of the survey takers were from the City of Sacramento (11).
- 19 of the 21 people who took the survey were at least somewhat concerned with being impacted by a natural disaster.
- Localized flood, heavy rains, and dam/levee failure were hazards of greatest concern.
- Most survey takers had not experienced a natural disaster.
- Social media, television, and direct mailings were the best choices to reach the public regarding disaster information and making homes more disaster resistant.
- A slight minority of people were located in the floodplain, or in levee protected areas

The survey and survey results are included in Appendix G.

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
- American River Flood Control
- Cal DWR
- Cal Fire
- Cal OES
- California Department of Water Resources
- Community Services Districts
- Emergency Services Departments
- Incorporated communities in Sacramento County
- Fire Protect Districts
- Fire Departments
- Fire Safe Alliance
- Flood Control Districts
- National Weather Service
- Neighboring Communities
- Park Districts
- NFIP/CRS Program Coordinators
- Placer County OES
- Reclamation Districts
- Regional Water Authority
- Sewer Districts
- School Districts
- United States Corps of Engineers

➤ Water Districts

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 Plan 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 letters or 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 Plan 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:

- American River Flood Control District
- Ascent Environmental
- CAL OES
- CAL FIRE
- California Department of Finance
- California Department of Water Resources
- California Geological Survey
- California State University System
- Central Valley Water Board
- FEMA Region IX
- Library of Congress
- Local Government Commission
- 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, WFO Sacramento
- Sacramento Area Council of Governments
- Sacramento Metropolitan Air Quality District
- Sacramento Municipal Utility District
- UC Davis
- United States Army Corps of Engineers
- United States Bureau of Land Management
- United States Bureau of Reclamation
- United States Department of Agriculture
- United States Farm Service Agency
- United States Forest Service
- United States Geological Survey
- Valley Vision
- 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 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 plan establishes a credible and comprehensive plan that ties into and supports other community programs. The development of this plan incorporated information from the following existing plans, studies, reports, and initiatives as well as other relevant data from neighboring communities and other jurisdictions.

- CAL FIRE plans
- CAL OES plans
- California Delta Plans
- California Department of Finance demographic documents
- California DWR plans
- Emergency Operations Plans
- FAA Reports
- FEMA mitigation planning documents
- Flood Insurance Studies
- General Plans
- Habitat Conservation Plans
- Levee plans and inventories
- National Weather Service documents
- Stormwater Master Plans
- US Fish and Wildlife reports
- USGS Reports

Specific source documents are referenced at the beginning of each section of Chapter 4 and 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 ordinances 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 Plan Update, the source document is referenced throughout this Plan Update. 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 Plan 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 planning area. Starting with the 2011 plan, natural hazards of concern were added, deleted, and modified for this LHMP Update. Data collection worksheets and jurisdictional annexes 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. 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 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 plan was developed. This complete draft was provided for HMPC review and comment via a Dropbox web link. Other agencies 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 the CAL OES and FEMA Region IX to review and approve, contingent upon final adoption by the governing boards of each participating jurisdiction.

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 plan, 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 Sacramento County and is addressed further in Chapter 7.

Implementation and Maintenance Process: 2011

The 2011 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 2011 process called for annual reviews with the status of mitigation strategy implementation documented in an annual report. In addition the 2011 process called for a formal plan update as required by DMA regulations every 5 years. In accordance with the process outlined in the 2011 plan, formal annual reviews were conducted and documented by the Sacramento County Department of Water Resources and the City of Sacramento's Department of Utilities, and other participating jurisdictions, and this LHMP update, once complete, will meet the DMA formal update requirements.

Specifically, Sacramento County's existing plan was completed and adopted by the County in 2011. It was anticipated that in compliance with the five-year update requirement, the next complete update of the plan would be in 2016. This current Plan Update process was initiated in spring 2016, and finished in December 2016 with the submittal of this LHMP update to Cal OES and FEMA Region IX.

As stated, documented reviews of the 2011 plan took place on an annual basis by the County and participating jurisdictions, and the 2011 LHMP was integrated into many other planning mechanisms in the County. The entire LHMP was adopted and incorporated by reference into the Sacramento County General Plan Safety Element as part of their General Plan Update Process. For those jurisdictions who have not yet updated their Safety Element, this LHMP Update will be adopted/incorporated by reference into the respective Safety Element updates. The risk assessment portion of the 2011 LHMP was relied on and further integrated into other planning mechanisms. Table 3-7 lists the planning mechanism the 2011 LHMP was integrated into by Sacramento County. Each of the jurisdictional annexes have similar tables that show how the 2011 plan was specifically integrated into their local community planning mechanisms.

Table 3-7 Incorporation of Sacramento County LHMP into Other Planning Mechanisms

Planning Mechanism 2011 LHMP Was Incorporated or Implemented Through	Details
Sacramento County General Plan	The County adopted the 2011 LHMP Update into the Safety Element of the General Plan.
Sacramento County EOP	The 2011 LHMP and its hazard information is utilized in the County Emergency Operations Plan.
Sacramento County Climate Adaptation Plan	The Climate Adaptation Plan used many items from the 2011 LHMP. The Climate Adaptation Plan is still in process, and will incorporate items from this LHMP Update as well.

The plan implementation and maintenance process as set forth in the 2011 plan has been updated for this LHMP update. The revised update implementation and maintenance process for the Sacramento County 2016 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.