



Appendix A Planning Process

A.1 Lists of HMPC Invites/Stakeholders

A.1.1. LHMP Invite List

Agency	Name
Participating Jurisdictions and Agencies	
Colusa County Ag Commissioner	Anastacia Allen
Colusa County Assessor	Arnie Gross
Dir., Colusa County Planning & Building	Greg Plucker
Dir., Colusa County Environmental Health	Kuljeet Mundi
Colusa Fire Chief	Logan Conley
Williams Fire Chief	Jeff Gilbert
Sacramento River Fire Station, Chief	Jeff Winters
Maxwell Fire Chief	Kenny Cohen
Princeton Fire Chief	Jimmy Zoller
Indian Valley Fire Chief	Barney Cook
Indian Valley Fire Chief - Assist.	Sandy Corbin
Dir., Colusa County DHHS	Elizabeth Kelly
Asst. Colusa County DHHS	Abigale Henderson
Dir. Colusa County Public Works	Mike Azevedo
Colusa County Library	Stacey Costello
Colusa County Sheriff & OES Director	Joe Garofalo
Colusa County Department of Education	Mike West
City of Colusa Public Works Administrator	Jesse Cain
Colusa County Sheriff's Office	Jose Ruiz
Colusa County Sheriff's Office	Jackie Olivares
Colusa County Sheriff's Office	Kris Cooper
Colusa County Sheriff's Office	leanne knutson
Colusa County Sheriff's Office	Mike Bradwell
Colusa County Environmental Health	Kuljeet Mundi, Director
Colusa County Agricultural Dept	Ryan Jennings
Colusa County Planning	Steve Geiger
Colusa County USDA-NRCS	Owen Hemming
Colusa DHHS	Ted Mamoulelis

Agency	Name
Colusa	Amilcar Avendaño
Administrator, City of Williams	Frank Kennedy
City of Williams Public Works	Colt Esenwein
City of Williams Planning	Tracy Byee
Sacramento Westside Levee District	Lewis Bair
Reclamation District 108	Lewis Bair, General Manager
Reclamation District 108	Meegan Nagy, Program Manager
Reclamation District 479	Derick Strain
Reclamation District 479	Robbi Powers
Reclamation District 1004	Terry Bressler, General Manager
Reclamation District 2047	John Garner, VP
Colusa Basin Drainage District	Merrilee Vanderwaal
Colusa County Board of Supervisors	Janice Bell, District 5
California Highway Patrol	Joe Monsingi
Colusa Police Department	Chief Josh Fitch
Williams Police Department	Chris Miller
Department of Water Resources	Joel Farias, Superintendent
Kletsel Dehe Wintun	Kelly Baucom
Colusa County Pioneer Review	Paul Scholl
Colusa Indian Community Council	Wayne Mitchum Jr.
RD108/Sac River West Side Dist.	Elizabeth Ramos
Colusa Med Center	Rhonda Anderson
Cortina Community Service District	Karl Drexel
Emergency Management Agencies	
Cal OES	Victoria LaMar Haas
Cal OES	Kyle Noderer
FEMA Region IX	Emily Breen
National Weather Service/NOAA	Courtney Carpenter
Lake County OES	Leah Sautelet
Sutter County OES	Zach Hamill
Yolo County OES	Krist Weivoda
Other Agencies/Districts	
Fish and Game	Brett Gomes, Wildlife Specialist
Red Cross	Nate Russell
Cal Fire	Miguel Watson
US Forest Service	Tadd Call
Resource Conservation Districts	Liz Harper

Agency	Name
Resource Conservation Districts	Ben King
Colusa Fire Safe Council	Director
Cal Trans	Steve Paine
USACE	Regional Director
Bureau of Reclamation	Joel Farias
Utilities	
PG&E	Mike Weber
CHP	Joe Monsingi
Arbuckle- College City Fire District	Casey Cox, Fire Chief
Arbuckle Park & Rec	Mary Grimmer
Arbuckle Cemetery	Cathy Marsh

A.1.2. HMPC Participant List

Agency	Name
Participating Jurisdictions and Agencies	
Colusa County Ag Commissioner	Anastacia Allen
Dir., Colusa County Planning & Building	Greg Plucker
Colusa Fire Chief	Logan Conley
Asst. Colusa County DHHS	Abigale Henderson
Colusa County Sheriff's Office	Jackie Olivares
Colusa County Sheriff's Office	Kris Cooper
Colusa County Sheriff's Office	Mike Bradwell
Colusa County Planning	Steve Geiger
Colusa DHHS	Ted Mamoulelis
Colusa	Amilcar Avendaño
City of Williams Administrator,	Frank Kennedy
City of Williams Public Works	Colt Esenwein
City of Williams Planning	Tracy Byee
Reclamation District 108	Meegan Nagy, Program Manager
Reclamation District 479	Derick Strain
Colusa County Board of Supervisors	Janice Bell, District 5
Williams Police Department	Chris Miller
Kletsel Dehe Wintun	Kelly Baucom
RD108/Sac River West Side Dist.	Elizabeth Ramos
Colusa Med Center	Rhonda Anderson
Cortina Community Service District	Karl Drexel

Agency	Name
City of Williams	Katheryn Ramsaur
RD 108	Brenna Howell
Sacramento River Westside Levee District	Brenna Howell
City of Colusa Planning	Mark Tomey
Colusa County RCD	Margot Flynn?
Sacramento River Fire	Patrick Trotter
Colusa County Board	Victor Zarate
Colusa PD	Sara Martin
Colusa County Planning	Alison Cunningham
Colusa Co DHHS	Stacy Woods
RD 479	Sadie Strain
Colusa County RCD	Eduardo Blancos-Alcontara
Colusa Co DHHS	Ricky Carmona
Cal Fire Battalion Chief	Trevyn Close
Colusa County Ag Dept	Mike Bowles
Colusa County Water District	Shelly Murphy
Colusa County DHHS	Sofia Becerra
Colusa County Public Works	Brian Mickelson
Colusa County RCD	Ben King
Emergency Management Agencies	
Cal OES	Kyle Noderer
Other Agencies/Districts	
Cal Fire	Miguel Watson
Resource Conservation Districts	Liz Harper
PG&E	Mike Weber
CHP	Joe Monsingi
Arbuckle Park & Rec	Mary Grimmer

A.2 Website for Hazard Mitigation Plan: Early Project Website and Project Website Updated for Final Meetings on the Draft Plan

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Four Aspects of Emergency Management

2024 Local Hazard Mitigation Plan

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2024 Local Hazard Mitigation Plan

The Federal Emergency Management Agency (FEMA) defines **Hazard Mitigation** as, “any sustained action taken to reduce or eliminate long-term risk to life and property from natural hazards.” Another way to understand hazard mitigation is as the prevention component of the emergency management process. (see figure)



1. Preparedness activities are the emergency plans, training, drills, and exercises that individuals, communities, and first responders participate in on almost a daily basis. These are things done to get ready for an emergency or disaster before it happens.

2. Response is the short-term, emergency actions taken to address and reduce the immediate impacts of a hazard event or disaster.

3. Recovery is the longer-term process of restoring the community back to normal or pre-disaster conditions.

4. Mitigation, or prevention, activities are actions that will prevent or eliminate losses, even if an incident does occur. Mitigation can reduce or eliminate the need for an emergency response and greatly reduce the recovery period.

To address Hazard Mitigation in Colusa County, Colusa County is partnering with the cities of Colusa and Williams, the Kletsen Dehe Wintun Nation, and many special districts to update their 2018 Local Hazard Mitigation Plan (LHMP).

Flood, drought, wildfire, and severe weather are just a few of the natural hazards of concern to Colusa County. While natural hazards such as these cannot be prevented, an LHMP forms the foundation for a community's long-term strategy to reduce disaster losses by breaking the repeated cycle of disaster damage and reconstruction. Communities with a FEMA- approved LHMP are eligible for FEMA pre- and post-disaster grant funding and are better positioned to respond and recover when disaster occurs.

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COLUSA COUNTY
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2024 LHMP Update

Colusa County kicked off their LHMP Update with meetings in December 2023. The LHMP Update addresses an updated list of hazards, assesses the likely impacts of these hazards to the people and assets of the Colusa County planning area, and establishes updated goals and mitigation projects to reduce the impacts of future disasters on people and property, critical facilities and infrastructure, the environment, as well as to local economies.

Opportunities for Input

Members of the community have a very important role in this process. The 2024 Colusa County LHMP Update is available for review and comment by the public and all interested stakeholders on this website below and in printed copy at the following locations:

Colusa County Clerk-Recorder	City of Williams, Finance & Utility Dept.
546 Jay Street, Ste. 200 - Colusa	464 8th Street - Williams

Comments received will be addressed in the final plan document prior to submittal to Cal OES and FEMA by September 2024. Final Public and HMPC meetings will also be held on the Draft LHMP. See below for details.

2024 LHMP Update Public Review Draft

- [Colusa County LHMP Update HMPC Review Draft Chapters Only](#)
- [Colusa County LHMP Update HMPC Review Draft Appendices Only](#)
- [Colusa County LHMP Update Draft Annex A City of Colusa Only](#)
- [Colusa County LHMP Update Draft Annex B City of Williams Only](#)
- [Colusa County LHMP Update Draft Annex C Colusa County RCD Only](#)

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A.3 HMPC Meeting #1: Kickoff Meeting

A.3.1. Kickoff Meeting Invite to HMPC and Stakeholders

From: Jackie Olivares <jtolivares@countyofcolusa.com>

Sent: Monday, November 20, 2023 12:56 PM

To: Anastacia Allen <mallen@countyofcolusa.com>; Arnie Gross <agross@countyofcolusa.com>; Greg Plucker <gplucker@countyofcolusa.com>; Kuljeet Mundi <Kuljeet.Mundi@countyofcolusa.com>; Chief Logan Conely (<cflogan@gmail.com> <cflogan@gmail.com>); Williams Fire Department [External] <wfp@williamsfire.net>; <wfdc300@frontier.com>; Maxwell Fire <maxwellfire@frontiernet.net>; <jzoller5@gmail.com>; <barbgriffin31@yahoo.com>; Elizabeth Kelly <Elizabeth.Kelly@countyofcolusa.com>; Michael Azevedo <mjazevedo@countyofcolusa.com>; Stacey Costello <scostello@countyofcolusa.com>; Joe Garofalo <jgarofalo@countyofcolusa.com>; <mwest@ccoe.net>; Jesse Cain <publicworks@cityofcolusa.com>; Frank Kennedy <fkennedy@cityofwilliams.org>; <desenwein@cityofwilliams.org>; <lbair@rd108.org>; Meegan Nagy <mnagy@rd108.org>; <reclamationdistrict479@gmail.com>; <rd1004@comcast.net>; <pcgid1@aol.com>; Colusa Basin Drainage District <cbdd61@yahoo.com>; Ann Nordyke <boardclerk@countyofcolusa.com>; Lt. Bill Filman <bfillman@chp.ca.gov>; Chief Josh Fitch <jfitch@colusapd.org>; <info@williamspd.net>; Joel Farias <joel.farias@water.ca.gov>; Kelly Baucom <kelly.baucom@kletseldehe.org>; <publisher@mpg8.com>; <mwest@colusa-nsn.gov>; LaMar-Haas, Victoria@CalOES <Victoria.LaMar-Haas@CalOES.ca.gov>; Kyle Noderer <kyle.noderer@caloes.ca.gov>; <emily.breen@fema.dhs.gov>; Courtney Carpenter - NOAA Federal <courtney.carpenter@noaa.gov>; <lakesheriff@lakecountycal.gov>; Zachary Hamill <zhamill@co.sutter.ca.us>; <kristen.weivoda@yolocounty.org>; Amy Travis <atavis@countyofglenn.net>; Russell, Nate <nate.russell3@redcross.org>; <sjmoore@fs.fed.us>; Elizabeth Harper <liz@colusarc.org>; <steve.paine@dot.ca.gov>; <mike.weber2@pge.com>; <michael.lenahan@chp.ca.gov>; Jose Ruiz <jruiz@countyofcolusa.com>; Michael Bradwell <mbradwell@countyofcolusa.com>; Ryan Jennings <rjennings@countyofcolusa.com>; Steve Geiger <sgeiger@countyofcolusa.com>; <wendy.drehhbrel@ca.usda.gov>; Arbuckle College City Fire Protection Chief [External] <chief5100@frontiernet.net>; <karl@kdmanagement.us>; Joseph Marsh <1cjm@frontiernet.net>; Mary Grimmer- APRD Manager <aprd.mgrimmer@gmail.com>; <justin.benjuerel@fire.ca.gov>; <miguel.watson@fire.ca.gov>

Cc: Jeanine Foster <jeanine.foster@fostermorrison.com>; Kristopher Cooper <kcooper@countyofcolusa.com>

Subject: Colusa Co. Local Hazard Mitigation Plan Planning Meeting

Greetings:

Colusa County is kicking off our 2024 Local Hazard Mitigation Planning Update efforts with a planning meeting on Wednesday, December 13, 2023 at 1:00 – 4:00pm, please see attached flier. We will hold a public meeting that evening at 5:30 – 7:00pm at the Veterans Hall in Colusa for public input.

Will be sending a calendar invite following this email.

Thanks,

Jackie Olivares, OES Technician

Colusa County Office of Emergency Services
Colusa County Sheriff's Office
929 Bridge Street
Colusa, CA 95932
530-458-0218, f 530-458-4697

Attachment text for above email

Greetings:

Colusa County is kicking off efforts to develop a Local Hazard Mitigation Plan (LHMP) Update to their 2018 LHMP. The County is partnering with the two incorporated communities, the Kletsen Dehe Wintun Nation, and numerous Special Districts for the Update. The purpose of the LHMP development process is to help reduce the impacts of natural hazards to the citizens, property, critical facilities and infrastructure, and other key assets in the County. In addition, the Disaster Mitigation Act of 2000 (DMA 2000) requires that local governments have a FEMA-approved LHMP in place to be eligible for certain pre- and post-disaster mitigation funding to protect communities from future disaster-related losses.

You are receiving this email because we would like to invite you to take part in this LHMP Update as a member of the Hazard Mitigation Planning Committee (HMPC).

County, city, district, agency, and stakeholder participation and coordination is a requirement of an approved plan, as is the inclusion of any hazard data, information, and mitigation projects your department or agency considers important to the development of the LHMP. Thus, your input will be critical to the success of this project. Participation includes:

- Attending and participating in the HMPC meetings (5 anticipated over the next 11 months)
- Providing available data/information requested of the HMPC
- Reviewing and providing comments on the plan drafts

Colusa County, Office of Emergency Services, is taking the lead on coordinating this project for the County. A project kickoff meeting of the HMPC will be held at the following time and location:

December 13, 2023 (Wednesday), 1:00 - 4:00 pm
Colusa County Sheriff Office - Training Room
929 Bridge Street
Colusa, CA 95932

The kickoff meeting will explain the LHMP development process and how you can be involved. A public stakeholder meeting will also be held the evening of the same day of the kickoff meeting. Details on the public meeting will be forthcoming.

Please RSVP and plan on attending or delegating attendance to this important meeting.

Thank you,

Jackie Olivares

A.3.2. HMPC #1: Kickoff Meeting Agenda

COLUSA COUNTY LOCAL HAZARD MITIGATION PLAN (LHMP) HMPC MEETING #1 December 13, 2023

1. Introductions
2. Hazard Mitigation & the Disaster Mitigation Act Planning Requirements
3. The Role of the Hazard Mitigation Planning Committee (HMPC)
4. Planning for Public Input
5. Coordinating with other Agencies
6. Hazard Identification
7. Schedule
8. Data Needs
9. Questions and Answers

A.3.3. HMPC #1: Kickoff Meeting Sign-in Sheet



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #1: Project Kickoff
December 13, 2023 (1:00-4:00 pm)
Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
DAVE ESENWEN PUBLIC WORKS DIR	eesenwen@cityofwilliams.org	916-446-9542	CITY OF WILLIAMS
Junice Bell supervisor DS	jbell@countyofcolusa.com	530-821-9561	County of Colusa Board of Supervisors
Mike Weber	Mike.Weber@pgc.com	209-237-7170 530-619-0814	PG&E
Shonda Anderson	shonda.anderson@colusa.net	enter.org	Colusa Mod Ctr.
Kyle Noderer	Kyle.Noderer@colobex.ca.gov	916-789-5422	Col DET, Local Region
Miguel Watson	miguel.watson@fire.ca.gov	707-480-0178	CAL FIRE
Patrick Kennedy	PKennedy@CityofWilliams.org	530-473-2955	Williams
Kathryn Ramsaur	kramsaury@cityofwilliams.org	473-2953 113	Williams
Tracy Bybee Inspector	tbybee@cityofwilliams.org	530-473-2955	Williams
CHRIS MILLER POLICE CHIEF	CMILLER@WILLIAMSPD.NET	473-2661	WILLIAMS PD
ELIZABETH RAMOS ENGINEER	ERAMOS@KSNINC.COM	(209)623-5040	RD 108 & SAC RIVER WEST SIDE LEVEE DISTRICT (KSN ENGINEERS/DISTRICT ENGINEERS)



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #1: Project Kickoff
December 13, 2023 (1:00-4:00 pm)
 Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Karl Dressel G.M	Karl Dressel@managemet.org	(707) 318-7569	Batwa PSD
JOE MOSINSKI SGT.	JMOSINSKI@CHP.CA.GOV	530 478-6000	CHP - WILLIAMS
STEVE GEIGER, PRINCIPAL PLANNER COLUSA COUNTY AG COMMISSIONER	sgeiger@countyofcolusa.com	530-458-0891	COMMUNITY DEVELOPMENT
Anastacia Allen APCO MIGRANT	mallen@countyofcolusa.com	530-458-0580	AG MIGRANT AIR POLLUTION
Kelly Bacon KDWN Environmental Director	Kelly.Bacon@KDWN.org	(530) 419-5090	Ketchel Deho Wintun
Ted Munson Jr.	ted.munson@colusa.org	530-458-0854	Colusa DHS
MIKE BAARDWEL	MBAARDWEL@CWSPSHEIFF.COM	530-682-4319	CCSO
Kris Cooper	K.Cooper@colusa-sheriff.com	(530) 458-0644	CCSO
Jackie Olivares	j+olivares@countyofcolusa.com	530-458-0218	CCSO - OES

A.4 HMPC #2: Risk Assessment Meeting

A.4.1. Emailed Invite to Risk Assessment Meeting

From: Jackie Olivares <jtolivares@countyofcolusa.com>

Sent: Friday, July 5, 2024 8:11 AM

To: Jackie Olivares; Anastacia Allen; Arnie Gross; Greg Plucker; Kuljeet Mundi; l.conley@colusafire.org; wfdc300@frontiernet.net; Sacramento River Fire District [External]; Maxwell Fire; jzoller5@gmail.com; barbgriffin31@yahoo.com; slcorbin67@yahoo.com; Elizabeth Kelly; Abigale Henderson; Ted Mamoulelis; Amilcar Avendaño; Michael Azevedo; Stacey Costello; Joe Garofalo; mwest@ccoe.net; Jesse Cain; Frank Kennedy; cesenwein@cityofwilliams.org; tbybee@cityofwilliams.org; lbair@rd108.org; Meegan Nagy; reclamationdistrict479@gmail.com; rd1004@comcast.net; pcgid1@aol.com; Colusa Basin Drainage District; Ann Nordyke; Janice Bell; jmosingsi@chp.ca.gov; Chief Josh Fitch; cmiller@williamspd.net; Joel Farias; Kelly Baucom; publisher@mpg8.com; mwest@colusa-nsn.gov; eramos@ksninc.com; rhonda.anderson@colusamedcenter.org; karl@kdmanagement.us; LaMar-Haas, Victoria@CalOES; Kyle Noderer; emily.breen@fema.dhs.gov; Courtney Carpenter - NOAA Federal; lakesheriff@lakecountyca.gov; Zachary Hamill; Russell, Nate; miguel.watson@fire.ca.gov; tadd.call@fs.fed.us; Elizabeth Harper; steve.paine@dot.ca.gov; mike.weber2@pge.com; Kristopher Cooper; Michael Bradwell; Ryan Jennings; Steve Geiger; owen.hemming@usda.gov; Casey Cox; Arbuckle College City Fire Protection [External]; Alison Cunningham; Mary Grimmer- APRD Manager; Joseph Marsh

Subject: Colusa County LHMP Update: HMPC Meeting #2 - Risk Assessment

When: Wednesday, March 27, 2024 1:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: Sheriff Training Room

Good Afternoon:

In December, we kicked off the **Colusa County 2024 Multi-jurisdictional Local Hazard Mitigation Plan (LHMP)** Update project. That meeting provided an overview of the project and was used to identify a list of natural hazards (e. g., earthquake, wildfire, flood, severe weather, etc.) to include in the LHMP. Since then, Foster Morrison Consulting has been collecting data and preparing a risk assessment – which will consist of a written profile and analysis of each identified natural hazard, supported by technical, historical, and authoritative data. The risk assessment will become a part of the new LHMP.

****SAVE THE DATE**** Please join us for our **second Hazard Mitigation Planning Committee Meeting**, as follows. The purpose of this meeting is to share draft risk assessment materials – including mapping, data, and other information – and invite your feedback.

Wednesday, March 27, 2024 (1:00 - 4:00 pm)

Colusa County Sheriff Office - Training Room

929 Bridge Street

Colusa, CA 95932

Questions? Please feel free to reach out to myself or Jeanine Foster, Foster Morrison Consulting, at 303 717-7171 or jeanine.foster@fostermorrison.com. For more information about the project, visit: [2024 Local Hazard Mitigation Plan | Colusa County, CA - Official Website \(countyofcolusa.org\)](#).

Thank you,

Jackie Olivares, OES Technician

Colusa County Office of Emergency Services

A.4.2. HMPC #2: Risk Assessment Meeting Agenda

COLUSA COUNTY
Local Hazard Mitigation Plan (LHMP) Update
Risk Assessment Meeting
March 27, 2024

1. Introductions
2. Status of the DMA Planning Process
3. Review (and discussions/input) of the Risk Assessment
4. Open Discussion and Input on the Risk Assessment (Handout)
5. Review of Data Needs
6. Next Steps

A.4.3. HMPC #2: Risk Assessment Meeting Sign in Sheet



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #2: Risk Assessment
March 27, 2024 (1:00-4:00 pm)
 Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
LOGAN CONLEY FIRE-CHIEF	L.CONLEY@COLUSA.FIRE.CA	530-682-5377	COLUSA CITY FIRE
MARK TOMMY	Planning@cityofcolusa.com	530-458-4941	City Planning
ELIZABETH RAMOS / DISTRICT ENGINEER	ERAMOS@KSNINC.COM	209-623-5040	RD 108 & CO SAC RIVER WEST SIDE LOVE DISTRICT
Kelly Bauman Cortina Bauman Eng. Director	kelly.bauman@KDOWN.org	530-419-5080	Cortina Bauman/Richter Det
Fremil Kennedy	FKennedy@cityofwilliams.org	530-473-0955	City of Williams
Abigail Henderson	abigail.henderson@countyofcolusa.com	530-458-0206	DHHS
Liz Harper	liz@colusared.org	530-458-1610	CCRCD
Margot Fugan	margot@svsaihub.org	530-501-8351	CCRCD
Kyle Underwood Prog. Manager	kyle.underwood@colocsc.ca.gov	916-709-5992	Colossus, Island Region
Amilcar Avendaño	amilcar.avendaño@countyofcolusa.com	530-458-0250	DHHS
Janice Bell	jbell@countyofcolusa.com	530-821-9561	Board of Supes
Patrick Trotter	sacriver.fine.ptrotter@bmail.com	530-458-0239	Sacramento River Fine Protection District
Jackie Olivares	jtoivares@countyofcolusa.com	530-458-0105	CCSO - OES



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #2: Risk Assessment
March 27, 2024 (1:00-4:00 pm)
 Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Karl Dresser GM	Karl@kdmanagement.us	767-518-7369	Centina CSD
Victor Zarate/Board Director	Zarate3135@gmail.com	530-908-0569	Centina District
Kris Cooper	KCooper@colusasheriff.ca	530-458-0444	Colusa Co SO
Sara Martin	SMARTINE@colusapd.org	530-458-7777	CPD
Mary Grimmer	aprd.mgrimmer@gmail.com	530-723-2205	APRD
Alison B. Cunningham	acunningham@countyofcolusa.com	Call Planning Dept. 530-458-0801	Colusa County
Stacy Woods, Dept Sec.	stacy.woods@countyofcolusa.com	530-458-6254	DHHS
Sadie Strain	sstrain@strainranches.com	530-237-6327	RD 479 #108
Danck Strain	dstrain@strainranches.com	530-237-7505	RD 479 #108
Eduardo Blanco-Alcantara	eduardo@colusarc.org	530-701-8443	Colusa RCD
Ricky Carmona/system Support Analyst	ricardo.carmona@countyofcolusa.com	EXT 269	Colusa DHHS
Kathryn Ramsaur/City Planner	KRamsaur@cityofwilliams.org	237-3270 ext 113	City of Williams

A.5 HMPC #3 & #4: Mitigation Strategy Meetings

A.5.1. Email Invites to Mitigation Strategy Meetings

From: Jackie Olivares

Sent: Tuesday, April 2, 2024 1:20 PM

To: Anastacia Allen <mallen@countyofcolusa.com>; Arnie Gross <agross@countyofcolusa.com>; Greg Plucker <gplucker@countyofcolusa.com>; Kuljeet Mundi <Kuljeet.Mundi@countyofcolusa.com>; 'l.conley@colusafire.org' <l.conley@colusafire.org>; 'wfdc300@frontiernet.net' <wfdc300@frontiernet.net>; Williams Fire Department [External] <wfpa@williamsfire.net>; Sacramento River Fire District [External] <sacrivfire100@frontier.com>; 'sacrivfireptrotter@gmail.com' <sacrivfireptrotter@gmail.com>; Maxwell Fire <maxwellfire@frontiernet.net>; Kenny Cohen <kennycohen316@yahoo.com>; 'jzoller5@gmail.com' <jzoller5@gmail.com>; 'barbgriffin31@yahoo.com' <barbgriffin31@yahoo.com>; 'slcorbin67@yahoo.com' <slcorbin67@yahoo.com>; Elizabeth Kelly <Elizabeth.Kelly@countyofcolusa.com>; Abigale Henderson <abigale.henderson@countyofcolusa.com>; Michael Azevedo <mjazevedo@countyofcolusa.com>; Stacey Costello <scostello@countyofcolusa.com>; Joe Garofalo <jgarofalo@countyofcolusa.com>; 'mwest@ccoe.net' <mwest@ccoe.net>; Jesse Cain <publicworks@cityofcolusa.com>; 'planning@cityofcolusa.com' <planning@cityofcolusa.com>; 'cesenwein@cityofwilliams.org' <cesenwein@cityofwilliams.org>; 'tbybee@cityofwilliams.org' <tbybee@cityofwilliams.org>; 'lbair@rd108.org' <lbair@rd108.org>; 'Meegan Nagy' <mnagy@rd108.org>; 'sstrain@strainranches.com' <sstrain@strainranches.com>; 'Derick Strain' <dstrain@strainranches.com>; 'rd1004@comcast.net' <rd1004@comcast.net>; 'pcgid1@aol.com' <pcgid1@aol.com>; 'Colusa Basin Drainage District' <cbdd61@yahoo.com>; Ann Nordyke <boardclerk@countyofcolusa.com>; Janice Bell <jbelle@countyofcolusa.com>; Chief Josh Fitch <jfitch@colusapd.org>; 'smartin@colusapd.org' <smartin@colusapd.org>; 'cmiller@williamspd.net' <cmiller@williamspd.net>; Joel Farias <joel.farias@water.ca.gov>; 'Kelly Baucom' <kelly.baucom@kletseldehe.org>; 'mwest@colusa-nsn.gov' <mwest@colusa-nsn.gov>; 'eramos@ksninc.com' <eramos@ksninc.com>; 'rhonda.anderson@colusamedcenter.org' <rhonda.anderson@colusamedcenter.org>; 'karl@kdmanagement.us' <karl@kdmanagement.us>; 'victor zarate' <zarate3135@gmail.com>; 'LaMar-Haas, Victoria@CalOES' <Victoria.LaMar-Haas@CalOES.ca.gov>; Kyle Noderer <kyle.noderer@caloes.ca.gov>; 'emily.breen@fema.dhs.gov' <emily.breen@fema.dhs.gov>; 'Courtney Carpenter - NOAA Federal' <courtney.carpenter@noaa.gov>; 'Zachary Hamill' <zhamill@co.sutter.ca.us>; 'miguel.watson@fire.ca.gov' <miguel.watson@fire.ca.gov>; 'margot@svsoilhub.org' <margot@svsoilhub.org>; 'steve.paine@dot.ca.gov' <steve.paine@dot.ca.gov>; 'mike.weber2@pge.com' <mike.weber2@pge.com>; Kristopher Cooper <kcooper@countyofcolusa.com>; Michael Bradwell <mbradwell@countyofcolusa.com>; Ryan Jennings <rjennings@countyofcolusa.com>; Steve Geiger <sgeiger@countyofcolusa.com>; Alison Cunningham <acunningham@countyofcolusa.com>; 'owen.hemming@usda.gov' <owen.hemming@usda.gov>; Ted Mamoulelis <Ted.Mamoulelis@countyofcolusa.com>; Amilcar Avendaño <amilcar.avendano@countyofcolusa.com>; Ricardo Carmona <ricardo.carmona@countyofcolusa.com>; 'brenna@brennahowell.com' <brenna@brennahowell.com>; 'Casey Cox' <chief5100@frontiernet.net>; 'Mary Grimmer- APRD Manager' <aprd.mgrimmer@gmail.com>; 'Joseph Marsh' <1cjm@frontiernet.net>; 'jackieolivares1977@comcast.net' <jackieolivares1977@comcast.net>

Cc: 'Jeanine Foster' <jeanine.foster@fostermorrison.com>

Subject: Colusa County LHMP Update: Mitigation Strategy Meetings

All,

In preparation for the upcoming **Colusa County Local Hazard Mitigation Plan Update Mitigation Strategy meetings**, please see below:

1. Prep for these working meetings.

Identify and bring your mitigation project ideas to the meetings!

These are the two most important meetings for this LHMP Update project:

- ✓ **Wednesday, April 24 (1:00 - 4:00 pm)** - we will be briefly revisiting the risk assessment data developed to date and will be establishing updated LHMP goals and objectives.
- ✓ **Thursday, April 25 (9:00 am - noon)** - we will be working to identify and discuss potential mitigation actions and projects for reducing Colusa County's risk and vulnerability to identified hazards and disasters.

Note: Will be sending out two calendar invites concurrently after this email

Meeting Location (For both April 24th and 25th meetings):

Colusa County Sheriff's Office
929 Bridge Street
Colusa, CA 95932

Please make sure everyone attends that has mitigation actions and projects to include in the LHMP Update for all identified priority hazards.

- 2. Attached is the Mitigation Action Status summary from the 2018 LHMP.** Each participating jurisdiction to the 2018 LHMP should review their previous mitigation actions and complete both the table and the text that follows the table to provide a brief status update of previous actions/projects and to determine which 2018 actions you may want to include in this LHMP Update. Bring your completed status summary to the meetings. Note, we will also need you to email us a copy of your status summary for inclusion in the updated plan.

3. Also attached is a FEMA publication – Mitigation Ideas

Take a look – it is easy to skim through and will give you mitigation ideas, by hazard. What fits for Colusa County? Your Jurisdiction?

Agency and stakeholder participation and coordination is a requirement of an approved LHMP, as is the inclusion of any hazard data, information, and mitigation projects your department or agency may want to see included in the plan. Your continued participation and input is critical to the success of this project!

Please reach out to myself or Jeanine Foster at Jeanine.foster@fostermorrison.com if you have questions.

Look forward to seeing everyone.

A.5.2. HMPC #3 & #4: Email Invite (Reminder) to Mitigation Strategy Meetings

From: Jackie Olivares <jtolivares@countyofcolusaca.gov>

Sent: Friday, April 19, 2024 9:57 AM

To: Abigale Henderson <abigale.henderson@countyofcolusa.com>; Alison Cunningham <acunningham@countyofcolusa.com>; Amilcar Avendaño <amilcar.avendano@countyofcolusa.com>; Anastacia Allen <mallen@countyofcolusa.com>; Ann Nordyke <boardclerk@countyofcolusa.com>; Arbuckle Cemetery <1cjm@frontiernet.net>; Arbuckle Park & Rec <aprd.mgrimmer@gmail.com>; Arnie Gross <agross@countyofcolusa.com>; Brenna Howell <brenna@brennahowell.com>; Cal Fire <miguel.watson@fire.ca.gov>; Arbuckle College City Fire Protection Chief [External] <chief5100@frontiernet.net>; Chief Barney Cook <barbgriffins31@yahoo.com>; Chief Jimmy Zoller <jtzoller5@gmail.com>; Chief Josh Fitch <jfitch@colusapd.org>; Chris Miller <cmiller@williamspd.net>; Colt Esenwein <cesenwein@cityofwilliams.org>; Colusa Indian Community Council <mwest@colusa-nsn.gov>; Courtney Carpenter <courtney.carpenter@noaa.gov>; Derick Strain <dstrain@strainranches.com>; Elizabeth Kelly <Elizabeth.Kelly@countyofcolusa.com>; Elizabeth Ramos <eramos@ksninc.com>; Emily Breen <emily.breen@fema.dhs.gov>; Frank Kennedy <fkennedy@cityofwilliams.org>; Greg Plucker <gplucker@countyofcolusa.com>; Janice Bell <jbell@countyofcolusa.com>; Jeff Gilber <wfcd300@frontiernet.net>; Jesse Cain <publicworks@cityofcolusa.com>; Joe Garofalo <jgarofalo@countyofcolusa.com>; Joel Farias, Superintendent <Joel.Farias@water.ca.gov>; John Garner <pcgid1@aol.com>; Karl Drexel <karl@kdmanagement.us>; Kathleen Schaefer <kkschaefer@ucdavis.edu>; Katie Ramsaur <kramsaur@cityofwilliams.org>; Kelly Baucom <kelly.baucom@kletseldehe.org>; Krist Weivoda <kristin.weivoda@yolocounty.org>; Kristopher Cooper <kcooper@countyofcolusa.com>; Kuljeet Mundi <Kuljeet.Mundi@countyofcolusa.com>; Kyle Noderer <kyle.noderer@caloes.ca.gov>; Leah Sautellet <lakesheriff@lakecountycalifornia.gov>; Lewis Blair <lblair@rd108.org>; City of Colusa Fire Dept [External] <l.conley@colusafire.org>; Margot Flynn <margot@svsoilhub.org>; Mark Tomey <planning@cityofcolusa.com>; Maxwell Fire <maxwellfire@frontiernet.net>; Meegan Nagy <mnagy@rd108.org>; Merrilee Vanderwaal <cbdd61@yahoo.com>; Michael Azevedo <mjazevedo@countyofcolusa.com>; Michael Bradwell <mbradwell@countyofcolusa.com>; Mike Weber <mike.weber2@pge.com>; Mike West <mwest@ccoe.net>; Owen Hemming <owen.hemming@usda.gov>; Paul Scholl <publisher@mpg8.com>; Rhonda Anderson <rhonda.anderson@colusamedcenter.org>; Ricardo Carmona <ricardo.carmona@countyofcolusa.com>; Ryan Jennings <rjennings@countyofcolusa.com>; Sacramento River Fire District [External] <sacriverfire100@frontier.com>; Sadie Strain <sstrain@strainranches.com>; Sandi Corbin <slcorbin67@yahoo.com>; Sara Martin <smartin@colusapd.org>; Stacey Costello <scostello@countyofcolusa.com>; Steve Geiger <sgeiger@countyofcolusa.com>; Ted Mamoulelis <Ted.Mamoulelis@countyofcolusa.com>; Terry Bressler <rd1004@comcast.net>; Tracy Byee <tbybee@cityofwilliams.org>; Victor Zarate <zarate3135@gmail.com>; Victoria LaMar Haas <Victoria.LaMar-Haas@CalOES.ca.gov>; Zach Hamill <zhamill@co.sutter.ca.us>

Cc: Jeanine Foster <jeanine.foster@fostermorrison.com>

Subject: FW: Colusa County LHMP Update: Mitigation Strategy Meetings

Importance: High

All,

This is a reminder of the upcoming meetings next week. See below original email for detail information.

Meeting Location (For both April 24th and 25th meetings):

Colusa County Sheriff's Office
929 Bridge Street
Colusa, CA 95932

Please reach out to myself or Jeanine Foster at Jeanine.foster@fostermorrison.com if you have questions.

Look forward to seeing everyone.

Thanks,

Jackie Olivares, OES Technician

Colusa County Office of Emergency Services
Colusa County Sheriff's Office
929 Bridge Street, Colusa, CA 95932
530-458-0165, f 530-458-4697

A.5.3. HMPC #3 & #4: Mitigation Strategy Meeting Agenda

**Colusa County
Local Hazard Mitigation Plan (LHMP) Update
Mitigation Strategy Meetings
April 24 and 25, 2024**

HMPC Meeting #3:

1. Introductions
2. LHMP Project Status and Next Steps/Timeline
3. Priority Hazards Review
4. Develop Plan Goals and Objectives
5. Introduction to HMPC Meeting #4: Mitigation Alternatives/Actions/Projects

HMPC Meeting #4:

1. Introductions
2. Review Mitigation Categories and Selection Criteria
3. Brainstorming of Mitigation Alternatives/Actions/Projects by Hazard
4. Review of Voting Process for Prioritization of Mitigation Actions/Projects
5. Questions

A.5.4. HMPC #3 & #4: Mitigation Strategy Meeting Sign in Sheets

April 24 Meeting



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #3: Mitigation Strategy Meeting
April 24, 2024 (1:00-4:00 pm)
Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/Affiliation
Brenna Howell	brenna@brennahowell.com	(916) 702-7635	RD100/SRWLD/KSN
Karee Drexel	cdrexel@csd@sonic.net	(707) 318-7369	Colusa CSD
Trevyn Close ^{Battalion Chief}	trevyn.close@fire.ca.gov	(707) 369-0778	CAL FIRE
Mastacia Allen	mallen@countyofcolusa.com	530-458-0580	AG DEPT / AIR POLLUTION MIGRANT HOUSING
Mike Bowles	mbowles@countyofcolusa.com		Ag Dept
Ricky Carmona / Systems Analyst	ricardo-carmona@countyofcolusa.com	458-269	DHHS
Kelly Baucom	kelly.baucom@KDOWN.org	(530) 419-5090	Kietzel Deke / Colusa Regional
Shelly Murphy	smurphy@colwad.com	(530) 476-2669	Colusa County Water Dist
Alison Cunningham	a.cunningham@countyofcolusa.com		Planning and Building
Stacy Woods / Dept Secretary	stacy.woods@countyofcolusa.com	530-458-0254	DHHS.
Amilcar Avendaño / Program Manager	amilcar.avendaño@countyofcolusa.com		DHHS
Norick Strain	nstrain@strainranches.com	530-237-7505	20479



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #3: Mitigation Strategy Meeting
April 24, 2024 (1:00-4:00 pm)
Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Kathryn Ramsaur / City Planner	kramsaur@cityofwilliams.org	236-3279	City of Williams
Mary Grimmer	aprd.mgrimmer@quadrant	2705 723-2765	APRD
Sofia Becerra / Health Prog. Spec	sofia.becerra@countyofcolusa		DHHS / PH
Janice Bell / Supervisor Dist 5	jbelle@countyofcolusa.com		BOS
Liz Harper / CCRCO	liz@colusarccl.org		CCRCO
Jacqui Olivares	jtolivares@countyofcolusa.com		CCSO - OES
Kris Cooper	KCooper@countyofcolusa.com		CCSO - OES

April 25 Meeting



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #4: Mitigation Strategy Meeting
April 25, 2024 (9:00 am -12:00 pm)
Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Karl Trevel, GM	Csetusacsd@sonic.net	707-318,7365	Colusa CSD
Kathryn Ransau	Kramxar@cityofwilliams.org	235-3279	City of Williams
Stacy Woods/Dept Secretary	stacy.woods@countyofcolusa.com	458-0854	DHHS
Alison Cunningham	acunningham@countyofcolusa.com		Planning + Building County
Kelly Bacon	kelly.bacon@KDWV.org	530-419-5090	Kentel Debo / KDWV Radio
Brian Mickelson	bmickelson@countyofcolusa.com	530 459-0892	PW
MARK TOMMY	Planning@cityofcolusa.com	530 458-4941 ¹³¹⁰³	Planning (City)
Margot Flynn	margot@svso.humb.org		Colusa RCD
Sofia Becerra	sofia.becerra@countyofcolusa.com	(530) 458-0156	Colusa DHHS
Ricky Carmona	ricardo.carmona@countyofcolusa.com	458-0264	Colusa DHHS
Anastacia Allen	mallen@countyofcolusa.com	530.458.0580.	AG DEPT./APCD MIGRANT
Trevyn Close BC	trevyn.close@fire.ca.gov	707-369-0778	CAL FIRE LNU



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
HMPC Meeting #4: Mitigation Strategy Meeting
April 25, 2024 (9:00 am -12:00 pm)
 Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Derrick Strain	dstrain@strainanchors.com	530-287-7505	RD479
Stacy Murphy	s.murphy@colcwa.com	530-476-2669	Colusa County WCD
Amilear Avendaño Program Manager	amilear.avendaño@countyofcolusa.com	530-458-0398	DHHS
LOGAN CONLEY	L.CONLEY@COLUSAFIRE.org	530-682-5377	CITY OF COLUSA FIRE
Janice Bell / DIST 5 Supervisor	jbelle@countyofcolusa.com		BOS
Liz Harper	liz@colusarcad.org	530-473-9346	CCRCAD
Kris Cooper	kcooper@colussheriff.com	530-454-0644	CCSO
Brenna Howell	brenna@brennahowell.com	916-702-7635	RD108/SPWL
José Olivares	jolivares@countyofcolusa.com		CCSO-CES

A.6 HMPC #5: Final HMPC Meeting

A.6.1. Final HMPC Meeting Invite

From: Jackie Olivares <jtolivares@countyofcolusaca.gov>

Sent: Friday, July 19, 2024 4:24 PM

To: Abigale Henderson <abigale.henderson@countyofcolusa.com>; Alison Cunningham <acunningham@countyofcolusa.com>; Amilcar Avendaño <amilcar.avendano@countyofcolusa.com>; Anastacia Allen <mallen@countyofcolusa.com>; Ann Nordyke <boardclerk@countyofcolusa.com>; Arbuckle Cemetery <1cjm@frontiernet.net>; Arbuckle Park & Rec <aprd.mgrimmer@gmail.com>; Arnie Gross <agross@countyofcolusa.com>; barbgriffin31@yahoo.com; Brenna Howell <brenna@brennahowell.com>; Brian Mickelson <bnickelson@countyofcolusa.com>; Cal Fire (trevyn.close@fire.ca.gov) <trevyn.close@fire.ca.gov>; Arbuckle College City Fire Protection Chief [External] <chief5100@frontiernet.net>; Chief Jimmy Zoller <jtzoller5@gmail.com>; Chief Josh Fitch <jfitch@colusapd.org>; Chris Miller <cmiller@williamspd.net>; Colt Esenwein <cesenwein@cityofwilliams.org>; Colusa County Water District <s.murphy@colcwa.com>; Colusa Indian Community Council <mwest@colusa-nsn.gov>; Courtney Carpenter <courtney.carpenter@noaa.gov>; Derick Strain <dstrain@strainranches.com>; Elizabeth Kelly <Elizabeth.Kelly@countyofcolusa.com>; Elizabeth Ramos <eramos@ksninc.com>; Emily Breen <emily.breen@fema.dhs.gov>; Frank Kennedy <fkennedy@cityofwilliams.org>; Greg Plucker <gplucker@countyofcolusa.com>; Janice Bell <jbell@countyofcolusa.com>; Jeff Gilber <wfdc300@frontiernet.net>; Jesse Cain <publicworks@cityofcolusa.com>; Joe Garofalo <jgarofalo@countyofcolusa.com>; Joel Farias, Superintendent <Joel.Farias@water.ca.gov>; John Garner <pcgid1@aol.com>; Karl Drexel <karl@kdmanagement.us>; Kathleen Schaefer <kkschaefer@ucdavis.edu>; Katie Ramsaur <kramsaur@cityofwilliams.org>; Kelly Baucom <kelly.baucom@kletseldehe.org>; Krist Weivoda <kristin.weivoda@yolocounty.org>; Kristopher Cooper <kcooper@countyofcolusa.com>; Kuljeet Mundi <Kuljeet.Mundi@countyofcolusa.com>; Kyle Noderer <kyle.noderer@caloes.ca.gov>; lbair@rd108.org; Leah Sautetlet <lakesheriff@lakecountycal.gov>; City of Colusa Fire Dept [External] <l.conley@colusafire.org>; Margot Flynn <margot@svsoilhub.org>; Mark Tomey <planning@cityofcolusa.com>; Maxwell Fire <maxwellfire@frontiernet.net>; Meegan Nagy <mnagy@rd108.org>; Merrilee Vanderwaal <cbdd61@yahoo.com>; Michael Azevedo <mjazevedo@countyofcolusa.com>; Michael Bradwell <mbradwell@countyofcolusa.com>; Mike Weber <mike.weber2@pge.com>; Mike West <mwest@ccoe.net>; Owen Hemming <owen.hemming@usda.gov>; Rhonda Anderson <rhonda.anderson@colusamedcenter.org>; Ricardo Carmona <ricardo.carmona@countyofcolusa.com>; Ryan Jennings <rjennings@countyofcolusa.com>; Sacramento River Fire District [External] <sacriverfire100@frontier.com>; Sadie Strain <sstrain@strainranches.com>; Sandi Corbin <slcorbin67@yahoo.com>; Sara Martin <smartin@colusapd.org>; Sofia Becerra <sofia.becerra@countyofcolusa.com>; Stacey Costello <scostello@countyofcolusa.com>; Stacy Woods <stacy.woods@countyofcolusa.com>; Steve Geiger <sgeiger@countyofcolusa.com>; Ted Mamoulelis <Ted.Mamoulelis@countyofcolusa.com>; Terry Bressler <rd1004@comcast.net>; Tracy Byee <tbybee@cityofwilliams.org>; Victor Zarate <zarate3135@gmail.com>; Victoria LaMar Haas <Victoria.LaMar-Haas@CalOES.ca.gov>

Cc: Jeanine Foster <jeanine.foster@fostermorrison.com>

Subject: Colusa County LHMP Update: Final Meeting and Input on Draft Plan

All,

Please see below information on the final steps for the Colusa County LHMP Update project:

LHMP Public Review Draft and Public Meeting. The LHMP Public Review Draft is up on the County website for public review and comment

at: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>. A printed copy of the LHMP has also been placed for review at the following locations.

Colusa County Clerk-Recorder
546 Jay Street, Ste. 200 - Colusa

City of Williams, Finance & Utility Dept.
464 8th Street - Williams

A public meeting on the Draft LHMP will be held Wednesday, August 14, 2024 from 5:30 -7:00 pm at the Williams Elementary School – Multipurpose Room 1404 E Street in Williams.
A press release is being issued by the County. **Please help get the word out to the public.**

Final HMPC Meeting. Our final planning committee meeting is scheduled for Thursday August 14 from 9–12:00, at the Colusa County Sheriff’s Office Training Room at 929 Bridge Street in Colusa. It is important that everyone attend this final meeting to address any public comments received and to finalize all input to the LHMP. At this meeting we will also be evaluating any changes in hazard vulnerabilities and mitigation priorities to the Colusa Planning Area over the last five years for inclusion in the final LHMP document.

Final LHMP Input. All final planning committee (and public and stakeholder) input on the Draft LHMP needs to be provided **no later than August 21, 2024.** Please take time to download and review the Plan from the County website.

There are several options for providing comments on the LHMP Public Review Draft:

- Email comments to Jeanine.foster@fostermorrison.com or jolivares@countyofcolusaca.gov
- Drop off written comments or send by mail to: Colusa County Sheriff’s Office, Attn. Jackie Olivares, 929 Bridge St. Colusa, CA 95932
- Bring comments to the public or planning committee meeting

If you have any questions, please contact Jeanine Foster at Jeanine.foster@fostermorrison.com or Jackie Olivares at jtolivares@countyofcolusaca.gov.

Thank you for your continued engagement in the process.

Jackie Olivares, OES Technician

Colusa County Office of Emergency Services
Colusa County Sheriff’s Office
929 Bridge Street, Colusa, CA 95932
530-458-0165, f 530-458-4697

A.6.2. HMPC #5: Final HMPC Meeting Agenda

AGENDA
Colusa County
Local Hazard Mitigation Plan Update
Final HMPC Meeting
August 15, 2024

1. Introductions
2. Status of the LHMP Update Process
3. Addressing Public Comments
4. Final HMPC Input: Outstanding Items
5. Summary of Changes in Colusa Planning Area Hazard Vulnerabilities/ Mitigation Priorities
6. Final Steps
7. Questions

A.6.3. HMPC #5: Final Meeting Sign In Sheets



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
Final HMPC Meeting #5
August 15, 2024 (9:00-12:00 pm)
Colusa County Sheriff's Office Training Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Jackie Olivares	jolivares@countyofcolusa.ca.gov	530-458-0165	OES
MARK TAMEY	planning@cityofcolusa.com	530-458-4941 ^{x3103}	City of Colusa
Kathryn Ramsaur	kramsauc@cityofwilliams.org	530-235-3279	City of Williams
Liz Ramos	ERAMOS@KSNINC.COM	(209) 623-5040	RD 108
Liz Ramos	ERAMOS@KSNINC.COM	(209) 623-5040	SRWSLD
Kyle Noderer	Kyle.noderer@colusa.ca.gov	916-709-5292	Col OES, Inland Region
Kelly Baucom	kelly.baucom@KDWN.org	530-419-5090	Klamath Lake Winter Nation
STEVE GEIGER	sgeiger@countyofcolusa.ca.gov		COLUSA COUNTY COMMUNITY DEVELOPMENT DEPT

A.7 Public Involvement

A.7.1. Public Meeting Outreach Flyers and Posting Locations: Project Announcement and Kickoff Meetings



Help Reduce Disaster Losses in Your Community by Participating in the Colusa County 2024 Local Hazard Mitigation Plan Update

Colusa County is developing a Local Hazard Mitigation Plan (LHMP) Update to their 2018 plan. The purpose of the LHMP Update is to assess risk to natural hazards, implement actions to reduce future losses, and maintain eligibility for federal mitigation grant funding in accordance with the Disaster Mitigation Act of 2000. Partners in this planning effort include the cities of Colusa and Williams, the Cachil Dehe Band of Wintun Indians, and many special districts located 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 Hazard Mitigation Important?

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

Rising costs associated with disaster response and recovery have focused the attention of federal, state, and local government officials on addressing natural hazards before they occur. For example, torrential rains and floods cannot always be prevented from occurring. Planning for natural hazards and implementing hazard mitigation and risk reduction 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.

2024 Local Hazard Mitigation Plan and Plan Update Process

Colusa County is leading the effort, along with the cities of Colusa and Williams, the Cachil Dehe Band of Wintun Indians, and many special districts, to develop an update to their 2018 LHMP. The 2024 LHMP Update is being developed by a Hazard Mitigation Planning Committee (HMPC) comprised of representatives from various County, Tribal, and City departments; neighboring jurisdictions; key federal, state, and local agency stakeholders; and the public.

The plan will be developed to meet new FEMA LHMP guidance (effective April 2023) and will address an updated list of hazards and assess the likely risk and vulnerability of these hazards to the people and assets of the Colusa County planning area. This will involve establishing an updated mitigation strategy designed to reduce the impacts of future disasters on people and property, critical facilities and infrastructure, and the environment as well as to the local economy.

Opportunities for Input

Members of the community have a very important role in this process. Several planning committee and public meetings will be held over the next year. A draft of the 2024 Colusa County LHMP Update will be available late summer 2024 for review and comment by the public and all interested stakeholders on the County LHMP website at: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan> and in hard copy form in select public locations to be announced. A public meeting on the Draft Plan and a final planning committee meeting will also occur in late summer 2024. All interested stakeholders and members of the public are encouraged to attend the planning committee and public meetings.

For more information on this project contact the following individuals:

Jackie Olivares	Jeanine Foster
Colusa County, Office of Emergency Services	Foster Morrison Consulting Ltd.
Phone: (530) 458-0218	Phone: (303) 717-7171
jtoliveras@countyofcolusa.com	jeanine.foster@fostermorrison.com

Posting Locations – County Post Offices: Most have an outdoor community bulletin board for local postings. This includes:

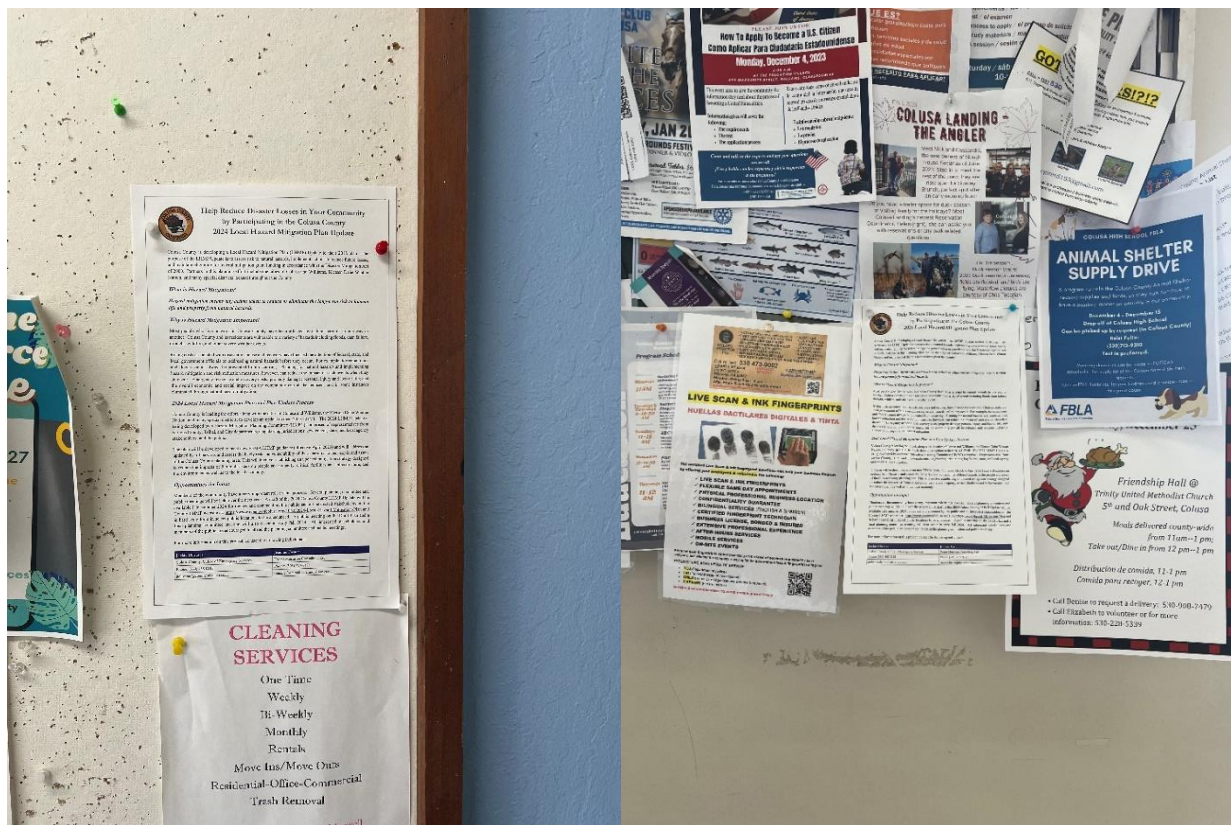
➤ Grimes – 170 Main Street

- Arbuckle – 415 5th Street
- Williams – 801 E. Street
- Maxwell – 260 Oak Street
- Princeton – 149 Commercial Street
- Colusa – 357 Market Street
- Stonyford – 259 Market Street

County Library:

- Grimes – 240 Main Street
- Arbuckle – 610 King Street
- Williams – 901 E. Street
- Maxwell – 34 Oak Street
- Princeton – 232 Prince Street
- Colusa – 738 Market Street
- Stonyford – 5080 Stonyford/Lodoga Road

Example at Princeton Post Office and Colusa Post Office



A.7.2. Project Announcement/Public Meeting #1 Press Release in Pioneer Review

Colusa County
Local Hazard Mitigation Plan Update
PROJECT ANNOUNCEMENT & UPCOMING MEETINGS

Get Involved!
HELP YOUR COMMUNITY BE HAZARD-READY!

Colusa County, CA: Colusa County is partnering with the cities of Colusa and Williams, the Kletsen Dehe Wintun Nation, and many special districts to update their 2018 Local Hazard Mitigation Plan (LHMP). Floods, drought, wildfires, and severe weather are just a few of the hazards of concern to Colusa County. While natural hazards such as these cannot be prevented, an LHMP forms the foundation for a community's long-term strategy to reduce disaster losses by breaking the repeated cycle of disaster damage and reconstruction. Communities with a FEMA-approved LHMP are eligible to apply for both pre- and post-disaster mitigation grant funding.

You are invited. We encourage the public and all interested stakeholders to attend and participate in our upcoming project kickoff meetings. An initial Public Meeting will explain the LHMP development process, the benefits of hazard mitigation planning, and how you can be involved. In addition, Hazard Mitigation Planning Committee (HMPC) Meetings to develop the plan with participating jurisdictions and other stakeholders are open to the public. Please select the time that works best for you.

HMPC Meeting
December 13 (Wednesday) 1:00 – 4:00 pm
Colusa County Sheriff Office - Training Room
929 Bridge Street
Colusa, CA 95932

Public Meeting
December 13 (Wednesday) 5:30 – 7:00 pm
Veterans Hall
1-99 E Main Street
Colusa, CA 95932

For more information on this project, please visit: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>. You may also contact Jackie Olivares at (530) 458-0218 or email at jtolivares@countyofcolusa.com.

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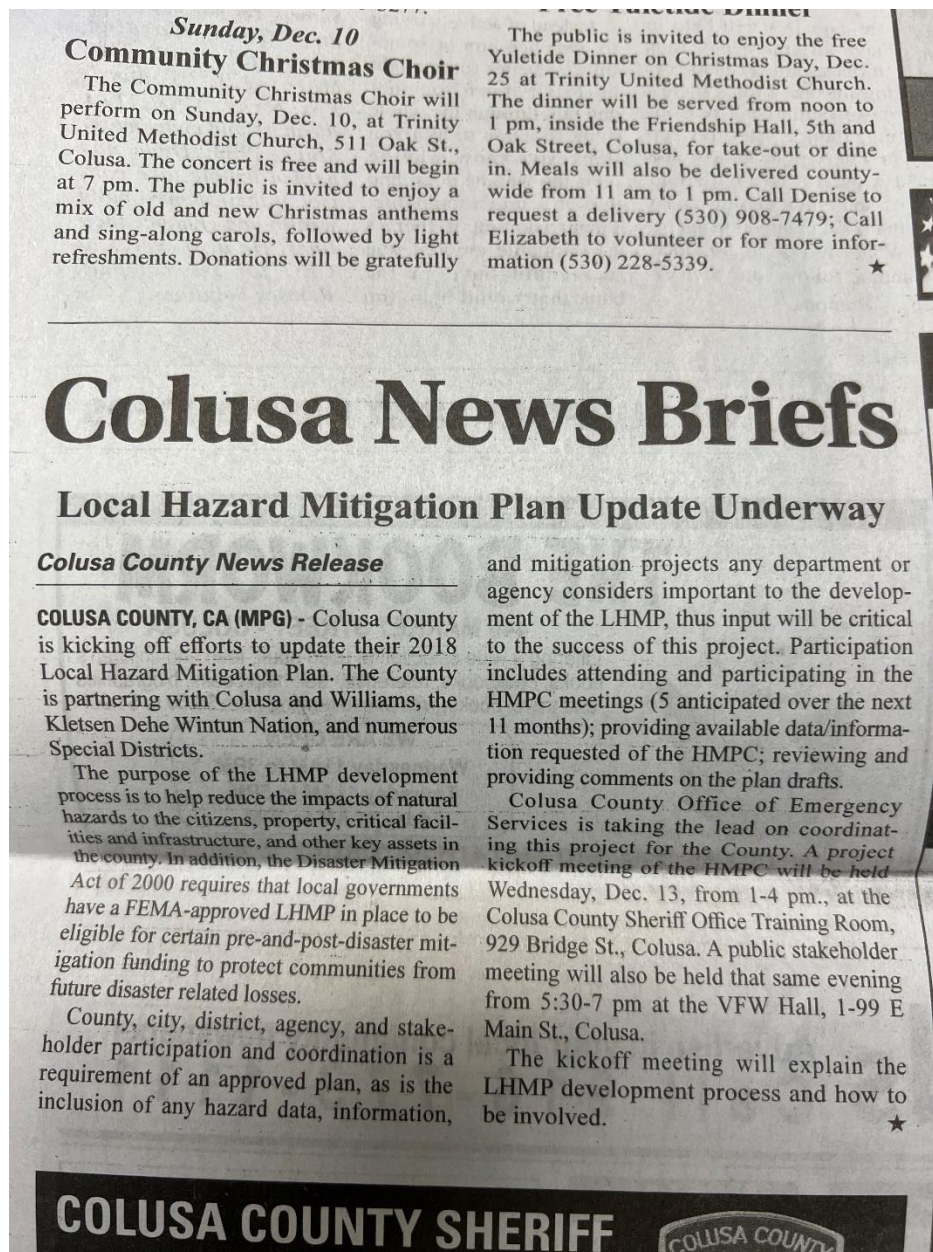
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A.7.3. Article in Pioneer Review on Project Announcement/Kickoff Meetings



A.7.4. Project Announcement/Public Meeting #1 Article in Sun-Herald.com (November 27, 2023)

com/colusa_sun_herald/colusa-county-public-hazard-mitigation-plan-meeting-scheduled/article_6661763c-8d67-11ee-b8ce-c3a9a98bdd45.html

**SUN-HERALD.COM**

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Colusa County public hazard mitigation plan meeting scheduled

Tri-County News Nov 27, 2023

f X e p i b

In partnership with the cities of Colusa and Williams, the Kletsen Dehe Wintun Nation, and many special districts, Colusa County is holding its kickoff meeting to update its 2018 Local Hazard Mitigation Plan (LHMP) on Dec. 13 at two different sites and times in an effort to solicit public attendance.

Floods, drought, wildfires, and severe weather are just a few of the hazards of concern to Colusa County, and while natural hazards such as these cannot be prevented, an LHMP forms the foundation for a community's long-term strategy to reduce disaster losses by breaking the repeated cycle of disaster damage and reconstruction.

Colusa County administration said communities with a FEMA-approved LHMP are eligible to apply for both pre- and post-disaster mitigation grant funding.

Colusa County residents and stakeholders are invited to attend one of both of the meetings on Dec.

47°

Weather Sponsored By:

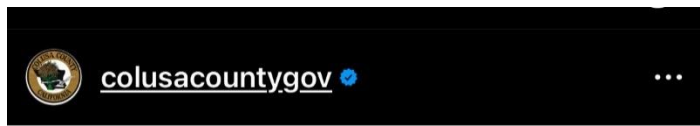
Online Poll

Are you concerned about the rising tensions with North Korea?

Share your views with us.

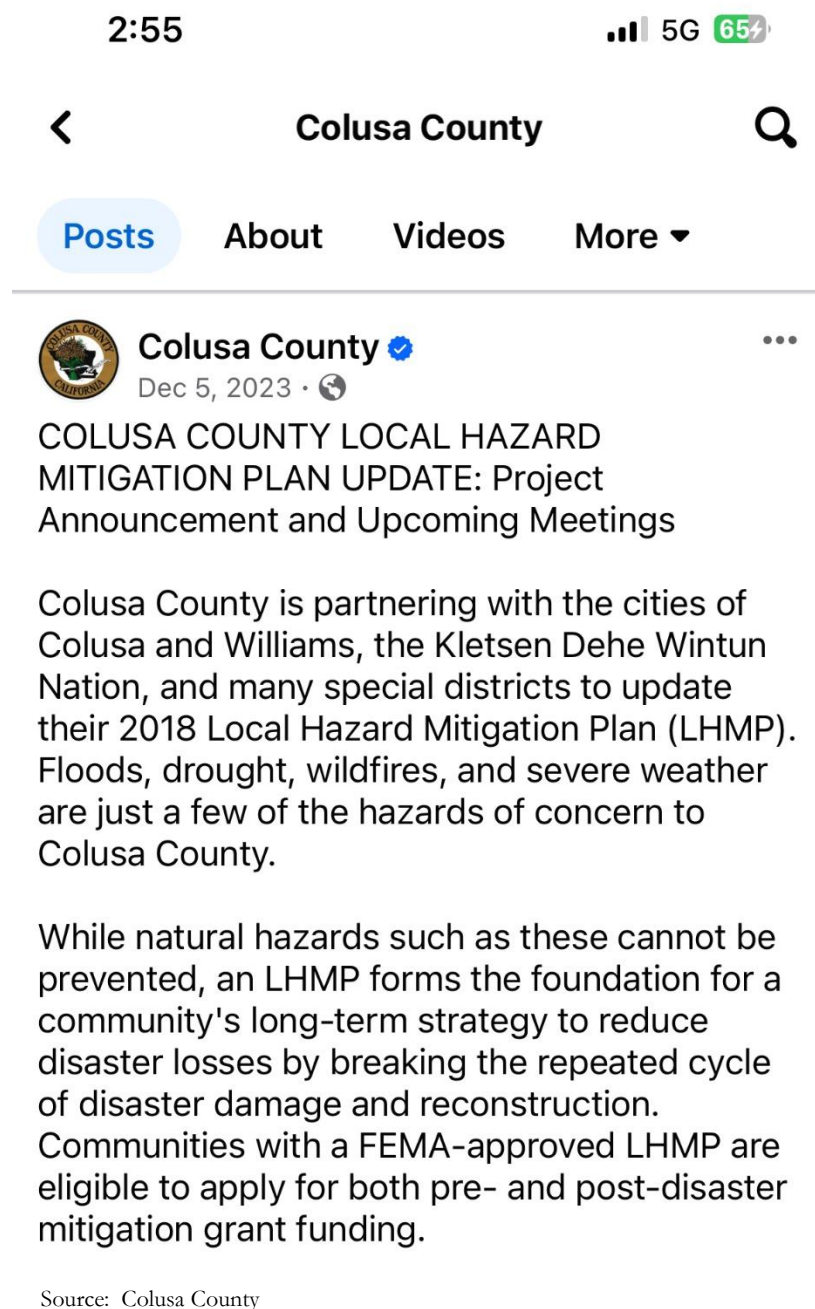
- ☐ Not at all. It just seems like a lot of back-and-forth talk.
- ☐ Yes. I'm growing very worried over what might happen.
- ☐ If it keeps up, I might be a little more concerned.

A.7.5. Project Announcement/Public Meeting #1 Instagram Invite



Source: Colusa County

A.7.6. Project Announcement/Public Meeting #1 on Colusa County Facebook Invite



A.7.7. Project Announcement/Public Meeting #1 on Colusa County Sheriff's Office Facebook Invite

Colusa County Sheriff's Office

Posts

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Colusa County Sheriff's Office

Dec 5, 2023 · 🌐

Colusa County Local Hazard Mitigation Plan Update
PRESS RELEASE: PROJECT ANNOUNCEMENT
& UPCOMING MEETINGS

Get Involved!

HELP YOUR COMMUNITY BE HAZARD-READY!
Colusa County, CA: Colusa County is partnering with the cities of Colusa and Williams, the Kletsen Dehe Wintun Nation, and many special districts to update their 2018 Local Hazard Mitigation Plan (LHMP). Floods, drought, wildfires, and severe weather are just a few of the hazards of concern to Colusa County. While natural hazards such as these cannot be prevented, an LHMP forms the foundation for a community's long-term strategy to reduce disaster losses by breaking the repeated cycle of disaster damage and reconstruction. Communities with a FEMA-approved LHMP are eligible to apply for both pre- and post-disaster mitigation grant funding.

You are invited. We encourage the public and all interested stakeholders to attend and participate in our upcoming project kickoff meetings. An initial Public Meeting will explain the LHMP development process, the benefits of

meeting. This initial public meeting will explain the LHMP development process, the benefits of hazard mitigation planning, and how you can be involved. In addition, Hazard Mitigation Planning Committee (HMPC) Meetings to develop the plan with participating jurisdictions and other stakeholders are open to the public. Please select the time that works best for you.

HMPC Meeting

December 13 (Wednesday) 1:00 – 4:00 pm

Colusa County Sheriff Office - Training Room

929 Bridge Street

Colusa, CA 95932

Public Meeting

December 13 (Wednesday) 5:30 – 7:00 pm

Veterans Hall

1-99 E Main Street

Colusa, CA 95932

Source: Colusa County

A.7.8. Public Meeting #1: Public Agenda

COLUSA COUNTY LOCAL HAZARD MITIGATION PLAN (LHMP) PUBLIC MEETING #1 DECEMBER 19, 2023

1. Introductions
2. Hazard Mitigation & the Disaster Mitigation Act Planning Requirements
3. Hazard Identification and Profiles
4. Opportunities for Public Participation and Input
5. Schedule
6. Questions and Answers

A.7.9. Public Meeting #1: Public Sign in Sheet



SIGN-IN SHEET COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT Public Meeting #1: Project Kickoff December 13, 2023 (5:30-7:00 pm) Veterans Hall | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
BEN KING	bking@pacgoldag.com	(530) 723-3119	Pacific Gold Agency
Janice Bell, JS	jbellecountyofcolusa.com	530-821-9561	Colusa County Board of Supes

A.7.10. Public Meeting #2 (for Providers Serving Vulnerable Populations): Invitation: Draft LHMP

From: Amilcar Avendaño <amilcar.avendano@countyofcolusa.gov>
Sent: Wednesday, August 14, 2024 3:51 PM
To: Jackie Olivares; Jeanine Foster; Gus Becerra; Alisha Parker; Donna Dennis; Jennifer McAllister; Lauren Still; Adriana Saavedra; Don Parsons; Brown, Jaime; 'Tootie Hacket'; Pastor Nicole Kringle; 'Jason McMullan'; Abigale Henderson; Ricardo Carmona; Stacy Woods; mtinoco@altaregional.org; Cassandra Ortiz; Valerie Stirling; Jeannie Armstrong
Cc: Don Parsons; don_parsons@outlook.com
Subject: LHMP Public Review Draft and Public Meetings
When: Wednesday, August 14, 2024 2:00 PM-3:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: 738 Market St Colusa CA

✉ **NOTICE:** County of Colusa has a new email domain: @countyofcolusa.gov. Please update your records accordingly.

Greetings:

YOU ARE INVITED!

Public Meetings are being held on the Draft Local Hazard Mitigation Plan being developed for Colusa County, Cities and many Special Districts.

Please see below information on the final steps for the Colusa County 2024 LHMP Update project and See attached Flyer.

LHMP Public Review Draft and Public Meetings. The LHMP Public Review Draft is up on the County website for public review and comment at: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>. A printed copy of the LHMP has also been placed for review at the following locations.

Colusa County Clerk-Recorder
546 Jay Street, Ste. 200 - Colusa

City of Williams, Finance & Utility Dept.
464 8th Street - Williams

Public Meeting: Providers Serving Vulnerable Populations
August 14 (Wednesday) 2:00-3:30 pm

Colusa Library Morse Conference Room (Hybrid)

ZOOM: <https://countyofcolusa.zoom.us/j/4528645270?pwd=SXUyMjd2Vms2YWwU0tnK3RKY21YUT09&omn=82402366589>

Meeting ID: 452 864 5270
Passcode: 667723

A link to virtual attendance for the Hybrid public meeting will be provided on the LHMP website: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>

Final LHMP Input. All final public and stakeholder input on the Draft LHMP needs to be provided no later than August 21, 2024. Please take time to download and review the Plan from the County website.

There are several options for providing comments on the LHMP Public Review Draft:

- Email comments to Jeanine.foster@fostermorrison.com or jolivares@countyofcolusaca.gov
- Drop off written comments or send by mail to: Colusa County Sheriff's Office, Attn. Jackie Olivares, 929 Bridge St. Colusa, CA 95932
- Bring comments to the public or planning committee meeting

If you have any questions, please contact Jeanine Foster at Jeanine.foster@fostermorrison.com or Jackie Olivares at jolivares@countyofcolusaca.gov.

Thank you for your continued engagement in the process.

Best Regards,

**County of Colusa
Department of Health
& Human Services**



www.countyofcolusa.org

**Amilcar Avendaño
Program Manager
Pronouns: He/Him**

**251 E. Webster Street Colusa, CA 95932
T: 530.458.0398
amilcar.avendano@countyofcolusa.com**

This email along with any attachments, is considered confidential and may well be legally privileged. If you have received it in error, you're on notice of its status. Please notify us immediately by reply e-mail and then delete this message from your system. Please do not copy it or use it for any purposes, or disclose its contents to any other person. Thank you for your cooperation.

A.7.11. Public meeting #2 (for Providers Serving Vulnerable Populations): Invite List of Providers

Jackie Olivares <jtolivares@countyofcolusaca.gov>;

Jeanine Foster <jeanine.foster@fostermorrison.com>;

Gus Becerra <g.becerra@regionalha.org>; **Regional Housing Authority**

Alisha Parker <a.parker@regionalha.org>; **Regional Housing Authority**

Donna Dennis <Donna.Dennis@countyofcolusa.com>; **Public Guardian, APS/CPS**

Jennifer McAllister <jmcallister@countyofcolusa.com>; **Behavioral Health Program Manger**

Lauren Still <lstill@glenncmed.org>; **Colusa Medical**

Adriana Saavedra <ASaavedra@tricountiescap.org>; **TCCAP – Cal AIM /LICN**

Don Parsons <Don.Parsons@countyofcolusa.com>; **Veteran Service/ City of Williams**

Brown, Jaime <jaime.brown6@redcross.org>; **Red Cross Volunteers**

'Tootie Hacket' <chieffan@citlink.com>; **Karen's House DV Center**

Pastor Nicole Kringle <nkringle@pneumacare.org>; **Pneumacare**

'Jason McMullan' <jmcmullan@colusamacc.org>; **Ministerial Association**

Abigale Henderson <abigale.henderson@countyofcolusa.com>; **Public Health**

Ricardo Carmona <ricardo.carmona@countyofcolusa.com>; **DHHS**

Stacy Woods <stacy.woods@countyofcolusa.com>; **DHHS**

mtinoco@altaregional.org; **Alta Regional**

Cassandra Ortiz <cassandra.ortiz@countyofcolusa.com>; **Migrant Housing**

Valerie Stirling <vstirling@countyofcolusa.com>; **Safe Haven Adult Center**

Jeannie Armstrong <jarmstrong@countyofcolusa.com>; **Behavioral Health**

Don Parsons <don.parsons@gmail.com>; don_parsons@outlook.com **Veteran Services / Karen's House**

**A.7.12. Public Meeting #2 (for Providers Serving Vulnerable Populations):
Agenda: Draft Plan**

**AGENDA
COLUSA COUNTY
Local Hazard Mitigation Plan
Public Meeting #2 – Draft Plan
For: Providers Serving Vulnerable Populations
August 14, 2024
(Hybrid Meeting Format)**

1. Introductions
2. Overview of the LHMP Development Process
3. Overview of the Colusa County LHMP
4. Public Comments and Input
5. Next Steps
6. Questions

**A.7.13. Public Meeting #2 (for Providers Serving Vulnerable Populations):
Sign in Sheet**



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
Public Meeting #2: Public Review Draft LHMP
August 14, 2024 (2:00-3:30 pm)
 Library Morse Conference Room | Colusa, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation	
Ricky Carmona <i>Systems Analyst</i>	ricardo.carmona@countyofcolusa.gov	EXT 269	Colusa County DHHS	In-Person
Jennifer M Allister <i>Clinical Program Manager</i>	jmcallister@countyofcolusa.gov	Ext 817	Behavioral Health	In-Person
Amilcar Avendano <i>Program Manager DHHS</i>	amilcar.avendano@countyofcolusa.gov	Ext 398	DHHS	In-Person
Chris Morrison	Chris.morrison@fostermorrison.com		Foster-Morrison	Hybrid
Donna Dennis	Donna.Dennis@countyofcolusa.gov	530-458-0290	DHHS	Hybrid
Valerie Stirling	vstirling@countyofcolusa.gov	530-458-0707	Safe Haven -BH	Hybrid
Abigale Henderson	abigale.henderson@countyofcolusa.gov	530-458-0266	DHHS	Hybrid
Jackie Olivares	jtolivares@countyofcolusa.gov	530-458-0165	OES	In-Person

A.7.14. Public Meeting #3: Draft Plan Outreach Flyers



Help Reduce Disaster Losses in Your Community by Participating in the Colusa County 2024 Local Hazard Mitigation Plan Update

Colusa County is developing a Local Hazard Mitigation Plan (LHMP) Update to their 2018 plan. The purpose of the LHMP Update is to assess risk to natural hazards, implement actions to reduce future losses, and maintain eligibility for federal mitigation grant funding in accordance with the Disaster Mitigation Act of 2000. Partners in this planning effort include the cities of Colusa and Williams, the Kletsel Dehe Wintun Nation, and many special districts located 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 Hazard Mitigation Important?

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

Rising costs associated with disaster response and recovery have focused the attention of federal, state, and local government officials on addressing natural hazards before they occur. For example, torrential rains and floods cannot always be prevented from occurring. Planning for natural hazards and implementing hazard mitigation and risk reduction 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.

2024 Local Hazard Mitigation Plan and Plan Update Process

The LHMP development process began in November 2023. A Hazard Mitigation Planning Committee (HMPC) comprised of representatives from the County, Cities, Tribe, and Districts; federal, state, and local agency stakeholders; and the public is guiding development of the updated plan. The LHMP Update is addressing natural hazards of concern and is assessing the likely impacts these hazards pose to people, property, and other assets in the Colusa County planning area. Additionally, the plan is developing an updated mitigation strategy including updated goals and mitigation actions and projects designed to reduce natural hazard risk and future disaster losses.

Opportunities for Input: Draft Plan and Final Meetings

Members of the community have a very important role in this process. A draft of the 2024 Colusa County LHMP Update is available for review and comment by the public and all interested stakeholders on the County LHMP website at: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>. It is also available in printed copies at the following locations:

Colusa County Clerk-Recorder
546 Jay Street, Ste. 200 - Colusa

City of Williams, Finance & Utility Dept.
464 8th Street - Williams

Comments on the Public Review Draft (Final comments due by August 21, 2024)

There are several options for providing comments on the Public Review Draft LHMP:

- Email comments to Jeanine.foster@fostermorrison.com or jolivares@countyofcolusaca.gov
- Drop off written comments or send by mail to: Colusa County Sheriff's Office, Attn. Jackie Olivares, 929 Bridge St. Colusa, CA 95932
- Bring comments to the public or planning committee meeting

Final Public and HMPC Meetings on the Public Review Draft LHMP

Public Meeting

August 14 (Wednesday) 5:30-7:00 pm
Williams Elementary School-
Multipurpose Room
1404 E Street - Williams

HMPC Meeting

August 15 (Thursday) 9:00-12:00 pm
Colusa County Sheriff's Office
929 Bridge Street - Colusa

All interested stakeholders and members of the public are encouraged to attend either of these meetings.

For more information on this project, visit <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan> or contact the following individuals:

Jackie Olivares	Jeanine Foster
Colusa County, Office of Emergency Services	Foster Morrison Consulting Ltd.
Phone: (530) 458-0218	Phone: (303) 717-7171
jtoliveras@countyofcolusa.com	jeanine.foster@fostermorrison.com

A.7.15. Public Meeting #3: Public Meeting Invite on Draft Plan

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Website Sign In



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— CALIFORNIA —

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[Colusa County LHMP Update Draft Annex F Reclamation District 108 Only](#)[Colusa County LHMP Update Draft Annex G Reclamation District 479 Only](#)[Colusa County LHMP Update Draft Annex H Sacramento Westside Levee District Only](#)

Comments on the Public Review Draft (Final comments due by August 21, 2024)

There are several options for providing comments on the Public Review Draft LHMP:

[Email comments to Jeanine.foster@fostermorrison.com](mailto:Jeanine.foster@fostermorrison.com) or jtolivares@countyofcolusaca.gov[Drop off written comments or send by mail to: Colusa County Sheriff's Office, Attn. Jackie Olivares, 929 Bridge St. Colusa, CA 95932](#)[Bring comments to the public or planning committee meeting](#)

All interested stakeholders and members of the public are welcome to attend any of these meetings to review and provide comments on the Colusa County 2024 LHMP Update Public Review Draft.

Final Public and HMPC Meetings on the LHMP Public Review Draft

Public Meetings: General Public	HMPC
August 14 (Wednesday) 5:30-7:00pm Williams Elementary School - Multipurpose Room 1404 E Street, Williams 95987	August 15 (Thursday) 9:00am - 12:00pm Colusa County Sheriff's Office, Training Room 929 Bridge Street, Colusa 95932
Public Meeting: Providers Serving Vulnerable Populations August 14 (Wednesday) 2:00-3:30pm Library Morse Conference Room (Hybrid) 738 Market Street, Colusa 95932 Zoom: https://countyofcolusa.zoom.us/j/45286452702 gwd=SKUvBjdZVmsZYWMwU0tnk3RKY21YU109&omn=82402366589	

Select Language

Google Translate

A.7.16. Public Meeting #3: Draft Plan – Posting of LHMP Public Information Flyer at County Post Offices in Colusa, Grimes, Arbuckle, and Maxwell



A.7.17. Public Meeting #3: Draft Plan – Public Outreach Flyers Posted at Ampla Health Event in Arbuckle on 8/5/2024 (as well as on 8/6 and 8/7)



A.7.18. Public Meeting #3: Draft Plan – Public Outreach at National Night Out in Williams on 8/6/2024



**A.7.19. Public Meeting #3: Draft Plan - Press Release in Pioneer Review
(Published 8/2 and 8/7)**

County on date stamped above. I hereby certify that the foregoing is a correct copy of the original on file in my office.
/s/ Cristy Jayne Edwards, Clerk-Recorder
08/02/2024, 08/09/2024, 08/16/2024, 08/23/2024 - CCPR

**Colusa County Invites Comments on their
2024 Local Hazard Mitigation Plan**

HELP YOUR COMMUNITY BE HAZARD-READY!

Colusa County, CA: Colusa County is partnering with the cities of Colusa and Williams, the Kletsel Dehe Wintun Nation, and many special districts to update their 2018 Local Hazard Mitigation Plan (LHMP). Floods, drought, wildfires, and severe weather are just a few of the hazards of concern to Colusa County. While natural hazards such as these cannot be prevented, a Hazard Mitigation Plan forms the foundation for a community's long-term strategy to reduce the risk of disasters to our communities. The plan will allow participating jurisdictions to apply for FEMA pre- and post-disaster mitigation grant funding.

The process began in November 2023 with the establishment of a Hazard Mitigation Planning Committee (HMPC) comprised of County, City, Tribal and District departments and other key agency and public Stakeholders. The LHMP Update is scheduled to be finalized and submitted to Cal OES and FEMA by September 2024.

Public Review Draft
The Public Review Draft of the LHMP is available online at: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>. It is also available (in printed copy) at the following locations:

Colusa County Clerk-Recorder
546 Jay Street, Ste. 200 - Colusa

City of Williams, Finance & Utility Dept.
464 8th Street - Williams

Open Public and Planning Committee Meetings
Final public and planning committee meetings are being held to review and provide comments on the Public Review Draft LHMP as follows:

Public Meeting
August 14 (Wednesday) 5:30-7:00 pm
Williams Elementary School - Multipurpose Room
1404 E Street, Williams 95987

HMPC Meeting
August 15 (Thursday) 9:00 am-12:00 pm
Colusa County Sheriff's Office Training Room
929 Bridge Street, Colusa 95932

All interested stakeholders and members of the public are welcome to attend either of these meetings.
08/2/2024, 08/9/2024 - CCPR

**DO YOU HAVE A LEGAL AD
YOU NEED TO PUBLISH?**

A.7.20. Public Meeting #3: Draft Plan Pioneer Review Affidavit of Publication

COLUSA COUNTY
Pioneer Review
430 Market Street, Suite E, Colusa, CA 95932
(530) 458-4141

Affidavit of Publication
STATE OF CALIFORNIA, COLUSA COUNTY

**COLUSA COUNTY
SHERIFFS OFFICE
2024 LOCAL HAZARD MITIGATION PLAN**

I am not a party to, nor interested in the above entitled matter. I am the principal clerk of the printer and publisher of the Colusa County Pioneer Review, a newspaper of general circulation, published in the County of Colusa, to which Newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Colusa, State of California, under the date of September 19, 2017, Case No. CV24253, that the notice of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

Dates: AUGUST 2, 9, 2024

I certify (or declare) under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.


Signature

Executed in Colusa, Colusa County, California on

AUGUST 9, 2024

Date

RECEIVED

AUG 14 2024

COLUSA COUNTY SHERIFF'S OFFICE
EMERGENCY SERVICES

**Colusa County Invites Comments on their
2024 Local Hazard Mitigation Plan**
HELP YOUR COMMUNITY BE HAZARD-READY!

Colusa County, CA: Colusa County is partnering with the cities of Colusa and Williams, the Kletsel Dehe Wintun Nation, and many special districts to update their 2018 Local Hazard Mitigation Plan (LHMP). Floods, drought, wildfires, and severe weather are just a few of the hazards of concern to Colusa County. While natural hazards such as these cannot be prevented, a Hazard Mitigation Plan forms the foundation for a community's long-term strategy to reduce the risk of disasters to our communities. The plan will allow participating jurisdictions to apply for FEMA pre- and post-disaster mitigation grant funding.

The process began in November 2023 with the establishment of a Hazard Mitigation Planning Committee (HMPC) comprised of County, City, Tribal and District departments and other key agency and public Stakeholders. The LHMP Update is scheduled to be finalized and submitted to Cal OES and FEMA by September 2024.

Public Review Draft
The Public Review Draft of the LHMP is available online at: <https://www.countyofcolusa.org/1062/2024-Local-Hazard-Mitigation-Plan>. It is also available (in printed copy) at the following locations:

Colusa County Clerk-Recorder
546 Jay Street, Ste. 200 - Colusa
City of Williams, Finance & Utility Dept.
464 8th Street - Williams

Open Public and Planning Committee Meetings
Final public and planning committee meetings are being held to review and provide comments on the Public Review Draft LHMP as follows:

Public Meeting
August 14 (Wednesday) 5:30-7:00 pm
Williams Elementary School - Multipurpose Room
1404 E Street, Williams 95987

HMPC Meeting
August 15 (Thursday) 9:00 am-12:00 pm
Colusa County Sheriff's Office Training Room
929 Bridge Street, Colusa 95932

All interested stakeholders and members of the public are welcome to attend either of these meetings.

08/2/2024, 08/9/2024 - CCPR

A.7.21. Public Meeting #3: Agenda

**AGENDA
COLUSA COUNTY
Local Hazard Mitigation Plan
Public Meeting #3: Draft Plan
August 14, 2024**

1. Introductions
2. Overview of the LHMP Development Process
3. Overview of the Colusa County LHMP
4. Public Comments and Input
5. Next Steps
6. Questions

A.7.22. Public Meeting #3: Sign in Sheets



SIGN-IN SHEET
COLUSA COUNTY LOCAL HAZARD MITIGATION PLANNING PROJECT
Public Meeting #3: Public Review Draft LHMP
August 14, 2024 (5:30-7:00 pm)
Williams Elementary School | Williams, California

Name/Title	Email Address	Phone	Department/Organization/ Affiliation
Janice Bell/supervisor	jbell@countyofcolusaca.com	530-473-9975	County of Colusa Board of Supervisors
Jackie Olivares	jolivares@countyofcolusaca.gov	530-458-0105	DES

A.7.23. Public Comments

No public or other stakeholder comments were received during the 2024 LHMP Update development process.

A.8 Meeting Handouts

Below are the handouts for each meeting. Handouts specific to the Mitigation Strategy Meetings can be found in Appendix C.

A.8.1. HMPC Meeting #1: Kickoff Meeting Handouts

Colusa County Disaster History

Colusa County – Disaster Declarations 1950-2023

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
2023	California Severe Winter Storms, Flooding, and Mudslides	Flood	Storms	DR-4683	–	1/14/2023
2023	California Severe Winter Storms, Flooding, and Mudslides	Flood	Storms	EM-3591	–	1/9/2023
2020	California Covid 19 Pandemic	Biological	Pandemic	DR-4482	3/4/2020	3/22/2020
2020	California Covid 19	Biological	Pandemic	EM-3428	3/4/2020	3/13/2020
2019	California Severe Winter Storms, Flooding, Landslides, and Mudslides	Flood	Storms	DR-4434	–	5/17/2019
2019	California Severe Winter Storms, Flooding, Landslides, and Mudslides	Flood	Storms	DR-4431	–	5/1/2019
2017	California Severe Winter Storms, Flooding, Mudslides	Flood	Storms	DR-4308	3/31/2017	4/1/2017
2014	California Drought	Drought	Drought	GP 2014-13	1/17/2014	–
2008	2008 January Storms	Flood	Storms	GP-2008-1	1/5/2008	–

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
2005/2006	2005/06 Winter Storms	Flood	Storms	DR-1628	–	2/3/2006
2005	Hurricane Katrina Evacuations	Economic	Hurricane	EM-3248 2005	–	9/13/2005
2003	State Road Damage	Road Damage	Flood	GP 2003	1/1/2003	–
2001	Energy Emergency	Economic	Greed	GP 2001	1/1/2001	–
1998	1998 El Nino Floods	Flood	Storms	DR-1203	Proclaimed	2/19/1998
1997	1997 January Floods	Flood	Storms	DR-1155	1/2/97-1/31/97	1/4/1997
1995	California Severe Winter Storms, Flooding, Landslides, Mud Flows	Flood	Storms	DR-1046	Proclaimed	3/12/1995
1995	1995 Severe Winter Storms	Flood	Storms	DR-1044	1/6/95-3/14/95	1/13/1995
1990	1990 Freeze	Freeze	Freeze	DR-894	12/19/90	2/11/1991
1987	1987 Fires	Fire	Fire	GP	9/10/87, 9/3/87	–
1986	1986 Storms	Flood	Storms	DR-758	2/18-86-3/12/86	2/18/1986
1983	Winter Storms	Flood	Flood	DR-677	12/8/82-3/21/83	2/9/1983
1979	Gasoline Shortage	Economic	OPEC	–	5/8/1979-11/13/79	–
1978	Heavy Rains	Flood	Storms	DC 78-06-11	2/13/1978	–
1976	1976 Drought	Drought	Drought	–	2/9/76, 2/13/76, 2/24/76, 3/26/76, 7/6/76	–
1973	1973 Storms and Floods	Flood	Storms	–	2/28/1973	–
1972	1972 Freeze	Freeze	Freeze	–	7/13/1972	–
1970	1970 Northern California Flooding	Flood	Flood	DR 283	1/27/1970 - 3/2/1970	2/16/1970
1964	1964 Late Winter Storms	Flood	Storms	DR-183	–	12/24/1964

Year	Disaster Name	Disaster Type	Disaster Cause	Disaster #	State Declaration #	Federal Declaration #
1963	1963 Floods and Rains	Flood	Storms	DR-145	2/7/63, 2/26/63, 2/29/63, & 4/22/63	2/25/63
1963	1963 Floods	Flood	Storms	–	2/14/1964	–
1958	1958 April Storms and Floods	Flood	Storms	DR-52	4/5/1958	4/4/1958
1958	1958 February Storms and Floods	Flood	Storms	CDO 58-03	2/26/1958	–
1955	1955 Floods	Flood	Flood	DR-47	12/22/1955	12/23/1955
1950	1950 Floods	Flood	Flood	OCD 50-01	11/21/1950	–

Source: FEMA, Cal OES, November 2023

Colusa County Disaster Declaration Summary Table by Hazard Type 1950-2023

Disaster Type	Federal Declarations		State Declarations	
	Count	Years	Count	Years
Drought	0	–	2	1976, 2014
Economic	0	–	2	1979, 2001
Fire	0	–	1	1987
Flood	17	1955, 1958, 1963, 1964, 1970, 1983, 1986, 1995, 1997 (twice), 1998, 2006, 2017, 2019 (twice), 2023 (twice)	18	1950, 1955, 1958 (twice), 1963 (twice), 1970, 1973, 1978, 1983, 1986, 1995 (twice), 1997, 1998, 2003, 2008, 2017
Freeze	1	1991	2	1972, 1990
Hurricane	1	2005	0	–
Pandemic	2	2020 (twice)	2	2020 (twice)
Road Damage	0	–	1	2003
Totals	21	–	28	–

Source: FEMA, Cal OES, December 2023

Colusa County Disasters since 2018 LHMP

- 2019 Floods (two federal)
- 2020 Pandemic (two federal and two state)
- 2023 Floods (two federal)

Severe Weather Events

NCDC Severe Weather Events for Colusa County 1950-8/31/2023*

Event Type	Number of Events	Deaths	Deaths (indirect)	Injuries	Injuries (indirect)	Property Damage	Crop Damage
Cold/Wind Chill	2	0	0	0	0	\$0	\$0
Dense Fog	3	0	7	0	1	\$0	\$0
Drought	58	0	0	0	0	\$0	\$0
Excessive Heat	21	0	0	0	0	\$0	\$0
Flash Flood	1	0	0	0	0	\$0	\$0
Flood	13	0	0	0	0	\$32,900,000	\$0
Frost/Freeze	2	0	0	0	0	\$0	\$0
Funnel Cloud	2	0	0	0	0	\$0	\$0
Hail	1	0	0	0	0	\$0	\$0
Heat	17	0	0	0	0	\$0	\$0
Heavy Rain	5	0	0	0	0	\$0	\$0
Heavy Snow	5	0	0	0	0	\$100,000	\$0
High Wind	22	0	0	0	0	\$35,000	\$0
Strong Wind	7	0	0	0	0	\$50,000	\$0
Thunderstorm Wind	2	0	0	0	0	\$0	\$0
Tornado	4	0	0	0	0	\$70,000	\$0
Wildfire	13	7	1	37	5	\$0	\$0
Winter Storm	21	0	0	0	0	\$0	\$0
Winter weather	3	0	0	0	0	\$0	\$0
Total	202	7	8	37	6	\$33,155,000	\$0

Source: National Climatic Data Center

*Note: Losses reflect totals for all impacted areas

**Due to the regional nature of reporting certain hazard events, these hazards are included in the NCDC database for Colusa County

2024 Colusa County Hazards Comparison Summary

2019 Colusa County LHMP	Colusa County General Plan Safety Element	2023 State of California Plan Applicable Hazards*	Proposed 2024 Hazards*
Ag Hazards: Severe Weather/Insect Pests	—	Invasive and Nuisance Species	Ag Hazards: Severe Weather/Invasive Species
Climate Change	—	Climate Change and Related Hazards	Climate Change
Dam Failure	Dam Inundation	Dam Failure	Dam Failure
Drought and Water Shortage	—	Droughts and Water Shortage	Drought & Water shortage (tree mortality)
Earthquake (minor/major)	Seismic and Geologic Hazards	Earthquake	Earthquake (and all subhazards)
Flood: 100/200/500-year	Flooding Hazards	Riverine, Stream, and Alluvial Flood	Floods: 1%/0.5%/0.2% year
Flood: Localized/Stormwater	Flooding Hazards	Riverine, Stream, and Alluvial Flood	Floods: Localized Stormwater
Hazardous Materials Transportation	Hazardous Materials	Hazardous Materials Release	—
Landslide, Mudslide, and Debris Flows	Seismic and Geologic Hazards	Landslide, Debris Flow, and other Mass Movements	Landslide, Mudslide, and Debris Flow
Levee Failure	Flooding Hazards	Levee Failure	Levee Failure
Severe Weather: Extreme Cold and Freeze	—	Severe Wind, Weather, and Storms	Severe Weather: Extreme Cold and Freeze
Severe Weather: Extreme Heat	—	Extreme Heat	Severe Weather: Extreme Heat
Severe Weather: Heavy Rains and Storms (winds, hail, lightning)	Flooding Hazards	Severe Wind, Weather, and Storms	Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning)
Severe Weather: High Winds/Tornadoes	—	Severe Wind, Weather, and Storms	Severe Weather: High Winds and Tornadoes
Stream Bank Erosion	—	Dealt with as part of Coastal Hazards, as well as Landslide, Debris Flow, and other Mass Movements	Address in earthquake, flood hazards and other, as an secondary hazard/impact of these hazards
Subsidence	Seismic and Geologic Hazards	Subsidence	Subsidence
Volcano	Seismic and Geologic Hazards	Volcano	—
Wildfire (smoke, tree mortality)	Fire Hazards	Wildfire	Wildfire (smoke/air quality)

*Power Outages will be discussed as a vulnerability of all hazards.

Colusa County Hazard Identification 2024: Colusa County Planning Area

Hazard	Geographic Extent	Likelihood of Future Occurrences	Magnitude/Severity	Significance	Climate Change Influence
Ag Hazards: Severe Weather/Invasive Species					Medium
Climate Change					–
Dam Failure					Medium
Drought & Water shortage					High
Earthquake					Low
Floods: 1%/0.5%/0.2% annual chance					Medium
Floods: Localized Stormwater					Medium
Landslide, Mudslide, and Debris Flow					Medium
Levee Failure					Medium
Severe Weather: Extreme Cold and Freeze					Medium
Severe Weather: Extreme Heat					High
Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning)					Medium
Severe Weather: High Winds and Tornadoes					Low
Subsidence					Low
Wildfire					Medium
Geographic Extent <i>Limited:</i> Less than 10% of planning area <i>Significant:</i> 10-50% of planning area <i>Extensive:</i> 50-100% of planning area		Magnitude/Severity <i>Catastrophic:</i> More than 50 percent of property severely damaged; shutdown of facilities for more than 30 days; and/or multiple deaths <i>Critical:</i> 25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability <i>Limited:</i> 10-25 percent of property severely damaged; shutdown of facilities for more than a week; and/or injuries/illnesses treatable do not result in permanent disability <i>Negligible:</i> Less than 10 percent of property severely damaged, shutdown of facilities and services for less than 24 hours; and/or injuries/illnesses treatable with first aid			
Likelihood of Future Occurrences <i>Highly Likely:</i> Near 100% chance of occurrence in next year, or happens every year. <i>Likely:</i> Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less. <i>Occasional:</i> Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years. <i>Unlikely:</i> Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.		Significance <i>Low:</i> Minimal potential impact <i>Medium:</i> Moderate potential impact <i>High:</i> Widespread potential impact			
		Climate Change Influence <i>Low:</i> Minimal potential impact <i>Medium:</i> Moderate potential impact <i>High:</i> Widespread potential impact			

A.8.2. HMPC Meeting #2: Risk Assessment Meeting Handouts

Status of the 2024 Colusa County LHMP Update Project/Next Steps

LHMP Update Project Schedule/Key Dates

2024 LHMP Update Meetings

- **March 27** (Wednesday) HMPC* Meeting #2 (Risk Assessment) (1:00-4:00 pm)
- **April 24** (Wednesday): HMPC Meetings #3 (Mitigation Strategy: Goals Development) (1:00 – 4:00 pm);
- **April 25** (Thursday): HMPC Meetings #4 (Mitigation Strategy: Actions and Projects) (9:00 am – 12:00 pm)
- **August 14** (Wednesday) Final Public Meeting #3 (5:30 – 7:00 pm)
- **August 15** (Thursday) Final HMPC Meeting #5 (9:00 – 12:00 pm)

Mitigation Strategy Meetings - Follow up

- **May 8** (Wednesday): Mitigation Strategy (goals/actions) follow up processed and sent to Colusa/HMPC
- **May 31** (Friday): Mitigation Action (Project) Worksheets due to Foster Morrison

LHMP Document Drafts

- **June 7** (Friday): HMPC (First) Draft LHMP to Colusa/HMPC
- **June 28** (Friday): HMPC comments due on Draft Plan
- **July 12** (Friday): Comments incorporated into Public Review (Second) Draft to Colusa/HMPC
- **July 17** (Wednesday): Public Review Draft on County website
- **August 21** (Wednesday): all Jurisdictional, HMPC, and public input to Foster Morrison
- **August 30** (Friday): Public and final comments incorporated and LHMP ready for submittal to Cal OES – **August 2024**

*HMPC = Hazard Mitigation Planning Committee

2024 Hazard Identification & Profiles: Colusa County

Hazard	Geographic Extent	Likelihood of Future Occurrences	Magnitude/Severity	Significance	Climate Change Influence
Ag Hazards: Severe Weather/Invasive Species	Extensive	Highly Likely	Catastrophic	High	Medium
Climate Change	Extensive	Highly Likely	Limited	Medium	–
Dam Failure	Extensive	Occasional	Catastrophic	High	Medium
Drought & Water shortage	Extensive	Likely	Critical	High	High
Earthquake	Extensive	Likely /Unlikely	Critical	Medium	Low
Floods: 1%/0.2% annual chance	Extensive	Occasional / Unlikely	Catastrophic	High	Medium
Floods: Localized Stormwater	Significant	Highly Likely	Limited	Medium	Medium
Landslide, Mudslide, and Debris Flow	Limited	Likely	Limited	Medium	Medium
Levee Failure	Extensive	Occasional	Catastrophic	High	Medium
Severe Weather: Extreme Cold and Freeze	Extensive	Highly Likely	Critical	Medium	Medium
Severe Weather: Extreme Heat	Extensive	Highly Likely	Limited	Medium	High
Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning)	Extensive	Highly Likely	Critical	Medium	Medium
Severe Weather: High Winds and Tornadoes	Extensive	Highly Likely / Occasional	Limited	Medium	Low
Stream Bank Erosion	Significant	Highly Likely	Limited	Medium	Medium
Subsidence	Limited	Likely	Limited	Medium	Low
Wildfire	Significant	Highly Likely	Critical	High	Medium
Geographic Extent <i>Limited:</i> Less than 10% of planning area <i>Significant:</i> 10-50% of planning area <i>Extensive:</i> 50-100% of planning area Likelihood of Future Occurrences <i>Highly Likely:</i> Near 100% chance of occurrence in next year, or happens every year. <i>Likely:</i> Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less. <i>Occasional:</i> Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years. <i>Unlikely:</i> Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years. Magnitude/Severity <i>Catastrophic:</i> More than 50 percent of property severely damaged; shutdown of facilities for more than 30 days; and/or multiple deaths <i>Critical:</i> 25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability <i>Limited:</i> 10-25 percent of property severely damaged; shutdown of facilities for more than a week; and/or injuries/illnesses treatable do not result in permanent disability <i>Negligible:</i> Less than 10 percent of property severely damaged, shutdown of facilities and services for less than 24 hours; and/or injuries/illnesses treatable with first aid Significance <i>Low:</i> Minimal potential impact <i>Medium:</i> Moderate potential impact <i>High:</i> Widespread potential impact Climate Change Influence <i>Low:</i> Minimal potential impact <i>Medium:</i> Moderate potential impact <i>High:</i> Widespread potential impact					

Risk Assessment Methodology

Calculating Likelihood of Future Occurrence

The frequency of past events is used in this section to gauge the likelihood of future occurrences. Based on historical data, the likelihood of future occurrence is categorized into one of the following classifications:

- **Highly Likely:** Near 100% chance of occurrence in next year, or happens every year.
- **Likely:** Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less.
- **Occasional:** Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years.
- **Unlikely:** Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.

Calculating Vulnerability

Vulnerability is measured in general, qualitative terms, and is a summary of the potential impact based on past occurrences, spatial extent, and damage and casualty potential:

- **Extremely Low:** The occurrence and potential cost of damage to life and property is very minimal to non-existent.
- **Low:** Minimal potential impact. The occurrence and potential cost of damage to life and property is minimal.
- **Medium:** Moderate potential impact. This ranking carries a moderate threat level to the general population and/or built environment. Here the potential damage is more isolated and less costly than a more widespread disaster.
- **High:** Widespread potential impact. This ranking carries a high threat to the general population and/or built environment. The potential for damage is widespread. Hazards in this category may have already occurred in the past.
- **Extremely High:** Very widespread and catastrophic impact.

Defining Significance (Priority) of a Hazard

Defining the significance or priority of a hazard to a community is based on a subjective analysis of several factors. This analysis is used to focus and prioritize hazards and associated mitigation measures for the plan. These factors include the following:

- **Past Occurrences:** Frequency, extent, and magnitude of historic hazard events.
- **Likelihood of Future Occurrences:** Based on past hazard events.
- **Ability to Reduce Losses through Implementation of Mitigation Measures:** This looks at both the ability to mitigate the risk of future occurrences as well as the ability to mitigate the vulnerability of a community to a given hazard event.

Risk Assessment Summary: Colusa County Planning Area

Agricultural Hazard: Severe Weather/Invasive Species

- Most agricultural disasters in Colusa County are associated with severe weather events, including heavy rains, floods, heat, freeze, and drought. Insects and noxious weeds are also a concern.
- 19 USDA disaster declarations from 2012-2023. 14 related to drought; 3 for freezing temperatures, and 2 for severe weather, including rains, high winds, cold temperatures.
- The recent drought noted the following drought related impacts to Ag impacts:
 - ✓ Rice production value dropped 80%
 - ✓ Overall crop values fell by \$394,739,000
 - ✓ Over 350,000 acres of farmland fallowed in the Sacramento Valley
 - ✓ Water allocations cut to 18% of contracted amounts
- Record low temperatures for 5 days in February 2022 resulted in 65% overall crop loss to area growers. Extreme late season high temperatures in fall of 2022 impacted the growing season for walnuts, resulting in an unmarketable product.
- OTHER AG CONCERNS/ISSUES TO NOTE?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: High
- Priority Hazard

Climate Change

- The 2023 State of California Hazard Mitigation Plan stated that climate change is clearly affecting California. Sea levels have risen by as much as seven inches along the California coast over the last century, increasing erosion and pressure on the state's infrastructure, water supplies, and natural resources. The State has also seen increased average temperatures, more extreme hot days, fewer cold nights, a lengthening of the growing season, shifts in the water cycle with less winter precipitation falling as snow, and both snowmelt and rainwater running off sooner in the year. The number, magnitude, and severity of hazard events and disasters are significantly increasing resulting in catastrophic events. Climate Change has the potential to significantly alter the nature and frequency of most hazards.
- The atmospheric river events of the last couple of years have been significant. HAVE THESE HAD SIGNIFICANT IMPACTS TO THE COLUSA PLANNING AREA?
- UNIQUE ISSUES/CONCERNS ASSOCIATED WITH CLIMATE CHANGE?
- COLUSA COUNTY/CITIES - IS ANYONE IN PROCESS WITH DEVELOPMENT OF ANY CAPS/CLIMATE VULNERABILITY ASSESSMENTS?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: High
- Priority Hazard

Dam Failure

- Based on DSOD and NID data, there are 6 dams in Colusa County with a potential to impact the Planning Area: East Park (High), Funks (Low), Rainbow Diversion (Low), Rancho Rubini (High), Upper Letts (High), and York Hill (Low).

- 9 additional dams are located in other counties with dam inundation areas in Colusa County: Oroville (Extremely High), Shasta (High), Whiskeytown (High), Black Butte (High), Davis Creek (High), Indian Valley (Extremely High), Lake Almonor (Extremely High), Thermalito (Extremely High). The failure of a dam may affect the dam site, downstream areas, floodwater routing, or all three.
- DAMS OF CONCERN/ISSUES TO HIGHLIGHT?
- Past dam events include the Oroville spillway event in 2017. Impacts included evacuees coming in to Colusa. Had the dam failed, Colusa would have seen inundation as well. It was also noted that the County is trying to get the East Park dam (really just a stockpond?) off the official dam list – status?
- Likelihood of Future Occurrence: Occasional
- Vulnerability: Extremely High
- Priority Hazard

Drought and Water Shortage

- The County has been mostly in and out of drought since 2014. Historical drought data for the Colusa County Planning Area and region indicate there have been 5 significant droughts in the last 86 years.
- 2 federal (1977, 2014) disaster declarations for Colusa County since 1950. In addition, there have been 14 USDA drought disaster declarations since 2012. There have been 58 NCEM drought events in Colusa County, almost all related to events in the 2014 to 2023 drought. In addition, the Colusa County EOC was activated 3 times during the most recent drought: 2015, 2017, 2019.
- During periods of drought, wells have gone dry, ag industry has been significantly affected.
- The 2010 General Plan Background Report, and the 2021 Colusa County Groundwater Sustainability Report noted that water supplied to Colusa County comes from two sources: groundwater and surface water. All domestic water systems in the County are supplied with groundwater, while most irrigation systems are supplied with surface water from the Tehama-Colusa or Glenn-Colusa Canals, the Colusa Drain, or the Sacramento River. The surface water supplies available for use in Colusa County are significant.
- WHAT HAS BEEN IMPACTED THE MOST? HOW HAS WATER SUPPLY BEEN AFFECTED? WHAT ARE THE MOST SIGNIFICANT ISSUES/CONCERNS RELATED TO DROUGHT?
- Likelihood of Future Occurrence: Drought - Likely/Water supply - Occasional
- Vulnerability: High
- Priority Hazard

Earthquake

- The General Plan Background Report noted that there are no known active faults within the County; however, the area could experience considerable ground shaking generated by faults outside Colusa County. The Great Valley Fault is an inferred fault in the County.
- The USGS National Seismic Hazard Maps provides acceleration and probabilities for various time periods. This data indicates that the expected severity of earthquakes in the region is mostly low to moderate, with areas in the southwest corner of the County in the higher range.
- There have been no disaster declarations in the County. No major earthquakes have been recorded within the County; although the County has felt ground shaking from earthquakes with epicenters located elsewhere.
- WHAT WERE THE ISSUES FROM HISTORICAL EARTHQUAKES? HAVE ANY STUDIES BEEN DONE ON EARTHQUAKE AND SECONDARY IMPACTS SUCH AS TO DAMS AND LEVEES?

- Likelihood of Future Occurrence: Unlikely – large, damaging earthquake; Occasional – minor earthquake
- Vulnerability: High
- Priority Hazard

Flood Hazards

100/500 year

- Historically, portions of Colusa County have always been at risk to flooding because of its annual percentage of rainfall in the winter and the number of watercourses that traverse the County. Flooding in Colusa County results from prolonged heavy rainfall over tributary areas during the period from November through March. The 2024 FIS noted that as a result of limited channel capacities, agricultural lands along the Colusa Basin Drain have experienced relatively frequent flooding.
- Of the 28 state and 21 federal declarations from 1950-present– 18 state and 17 federal declarations were for heavy rains, storms, and flooding. 4 federal disaster declarations (2 in 2023 and 2 in 2019) have occurred since the previous LHMP. 14 NCDC events related to flood from 1993 to 2023. 6 EOC activations from flood and storms from 2008 to 2023.
- HMPC - REVIEW RISK ASSESSMENT AND ADD INFORMATION ON MAJOR FLOOD EVENTS. NEED SUMMARY OF IMPACTS FROM 2019 - 2023 FLOOD EVENTS (Have for County).
- Likelihood of Future Occurrence: 100-Occasional; 200 – Unlikely; 500-Unlikely
- Vulnerability: High
- Priority Hazard

Localized/Stormwater flooding

- Significant localized flood history in the County – occurs annually
- CAN THE HMPC PROVIDE DETAILS ON THESE AREAS? PICTURES/DESCRIPTIONS - NEED SPECIFIC TO EACH JURISDICTION.
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard

Landslides, Mudslides, and Debris Flows

- The General Plan Background Report noted that the landslide susceptibility in the eastern half of the County is generally low. A north-south band of moderate landslide potential stretches from East Park Reservoir south to the Bear Valley. Only the northwestern portion of the county is within a sub-region of high landslide susceptibility. This area of high susceptibility is almost entirely within the boundaries of the Mendocino National Forest.
- The HMPC noted that many areas in southwest Colusa County are also rated high in their susceptibility to landslide due to erosive soils, and from hydrophobic soils from past wildfire burn scars.
- In Colusa County, landslides generally occur where there is very little population or infrastructure.
- There have been no disaster declarations associated with landslides in Colusa County. The NCDC contains no records of landslides in the County.

- WHAT SPECIFIC AREAS ARE AT RISK TO LANDSLIDES? CAN THE COUNTY/CITIES/DISTRICTS PROVIDE INFORMATION ON PAST OR ONGOING LANDSLIDE EVENTS/AREAS?
- Likelihood of Future Occurrence: Likely
- Vulnerability: Medium
- Priority Hazard?

Levee Failure

- Agricultural and flood control levees have been constructed in many areas of Colusa, mostly on the eastern side of the County. Many of the agricultural levees only provide protection from the 5 to 20 year flood events. While flood control levees generally provide greater protection. Multiple agencies have levee ownership and responsibility in the County.
- All levees have been deaccredited as part of the new effective DFIRMs.
- No disaster declarations associated with levee failures; the NCDC does not identify any levee failure events. The previous LHMP noted levee issues during storm events in 2017, 2015, and 1978 floods.
- ANY PAST LEVEE FAILURE EVENTS OR ISSUES TO NOTE? 2019 - 2023 ISSUES?
- Likelihood of Future Occurrence: Occasional
- Vulnerability: High? Extremely High?
- Priority Hazard

Severe weather

Extreme Cold and Freeze

- Annual occurrences of cold temperatures. Monthly average minimum temperatures from November through April range from the mid-30s to mid-40s. The lowest recorded daily extreme was 14°F on December 15 and 16, 2022. In a typical year, minimum temperatures fall below 32°F on 25.1 days with no days falling below 0°F.
- The County has had 1 past federal (1991) and 2 past state (1972, 1990) disaster declarations for extreme cold and freeze. NCDC did not identify any extreme cold or freeze events. USDA events include 3 associated with freezing temperatures.
- PLEASE PROVIDE DETAILS ON EXTREME COLD AND FREEZE EVENTS IN THE COUNTY. WHAT ARE THE MOST SIGNIFICANT ISSUES/CONCERNS?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard

Extreme Heat

- Annual occurrences of hot temperatures. Monthly average maximum temperatures in the warmest months (May through October) range from the mid-70s to the low 90s. The highest recorded daily extreme was 113°F on August 9, 1978. In a typical year, maximum temperatures exceed 90°F on 88.9 days.
- 38 extreme heat events (NCDC) since 1993. No state or federal disaster declarations.
- From the last LHMP, the HMPC did indicate that between 2014 and 2016, some trees within the County experience Sudden Limb Drop which can occur during hot weather.

- PLEASE PROVIDE DETAILS ON EXTREME HEAT EVENTS IN THE COUNTY. WHAT IS MOST VULNERABLE? WHAT ARE THE MOST SIGNIFICANT ISSUES/CONCERNS?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard

Heavy rains and storms (Hail, Lightning)

- Significant County history: annual occurrences.
- Significant County history: annual occurrences. Average annual precipitation in Colusa County is 16.22 inches per year. The highest recorded annual precipitation is 35.68 inches in 1983; the highest recorded precipitation for a 24-hour period is 3.56 inches on February 2, 1998. The lowest recorded annual precipitation was 4.20 inches in 1976.
- There have been 18 state and 17 federal disaster declarations since 1950 for flooding, including heavy rains and storms.
- The NCDC data recorded 30 hail, heavy rain, and winter weather incidents for Colusa County since 1950. Winter weather events tend to be rain in the lower elevations of the County, while relatively rare, snow can fall in the upper elevations. No incidents of lightning were found in the NCDC database. The USDA had 2 events since 2012 related to heavy rains and storms.
- County EOC activated 5 times for heavy rains and storms and associated flooding: 2008, 2010, 2011, 2012, and 2017.
- CAN THE HMPC PROVIDE DETAILS ON HEAVY RAIN AND STORM EVENTS IN THE COUNTY. 2019 - 2023 STORMS – PA SHEETS?
- Severe storms/heavy rains are the primary cause of most major flooding.
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: High
- Priority Hazard

High Winds and Tornadoes

- Annual occurrences.
- No state or federal disaster declarations from high winds or tornadoes.
- The NCDC data recorded 31 high wind and 4 tornado incidents for Colusa County since 1950. All tornado events were EF0 intensities.
- CAN THE HMPC PROVIDE INFORMATION ON PAST HIGH WINDS AND TORNADO EVENTS AND DAMAGES? WHAT ARE THE PRIMARY CONCERNS/ISSUES/VULNERABILITIES TO THE COUNTY?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: Medium
- Priority Hazard

Stream Bank Erosion

- Stream bank erosion processes are driven by two major components: stream bank characteristics (erodibility) and hydraulic/gravitational forces. Stream bank erosion occurs on rivers, streams, and other moving waterways in the County

- WHAT ARE THE PRIMARY AREAS/CONCERNS/IMPACTS ASSOCIATED WITH STREAM BANK EROSION IN THE COUNTY? DO THE COUNTY/CITIES/DISTRICTS HAVE MAPS/DATA OF PROBLEM AREAS? DO WAVE ACTIONS DURING HIGH WINDS CONTRIBUTE SIGNIFICANTLY TO STREAM BANK EROSION ALONG LEVEES?
- Likelihood of Future Occurrence: Likely
- Vulnerability: Medium
- Priority Hazard

Subsidence

- Land subsidence is defined as the sinking of the land over man-made or natural underground voids.
- There are two primary causes of subsidence in the County: subsidence from groundwater pumping and the settling of the ground over abandoned mine workings.
- ARE THERE SPECIFIC KNOWN AREAS PRONE TO SUBSIDENCE? CAN YOU CONFIRM THE PRIMARY CAUSES OF SUBSIDENCE IN THE COUNTY? CAN THE COUNTY PROVIDE INFORMATION ON PAST SUBSIDENCE EVENTS?
- Likelihood of Future Occurrence: Occasional
- Vulnerability: Medium
- Non-Priority Hazard

Wildfire

- Wildfires occur on an annual basis in the Colusa County Planning Area.
- The General Plan indicates that wildfires are a minor threat to the Colusa County Planning Area, based on historical data, and input from area fire departments.
- Any ignition has the potential to become an out of control wildfire. But, due to terrain, fuels (vast ag land), and location of built environment and populations, wildfire risk had not been a significant concern in the County until more recently.
- 1 state disaster declarations for Wildfire in 1987; 13 NCDC wildfire events.
- Recent fires in affecting Colusa include: 2018 Pawnee Fire (15,197 total acres; 43 acres in Colusa); 2018 Ranch Fire (410,202 total acres; 73,721 acres in Colusa); 2020 Hennessey Fire (305,352 total acres; 1,465 acres in Colusa); 2020 August Complex Fire (1,032,700 acres; 51 acres in Colusa). Smoke and air quality were also issues associated with these and other regional fires.
- Colusa County has their first Community Wildfire Protection Plan (2021 CWPP) and is considering establishing a Fire Safe Council as wildfire becomes more of a concern to the County Planning Area.
- CAN THE HMPC PROVIDE INFORMATION ON PAST DAMAGES/IMPACTS FROM THESE RECENT FIRES? WHAT ARE THE PRIMARY CONCERNS/ISSUES/VULNERABILITIES FROM WILDFIRE?
- Likelihood of Future Occurrence: Highly Likely
- Vulnerability: High
- Priority Hazard

Data Needs

Review of Key Items to date:

- Hazard-specific data
 - ✓ Hazard ID tables – **due by 12/8/23**
 - ✓ Historic Hazard Worksheets or list of past hazard occurrences and impact to jurisdiction – **due by 12/8/23**
- Risk Assessment Worksheets – **due by 3/15/24**

Other Data Items:

- Logos for each participating jurisdiction
- Photos, Photos, Photos

A.8.3. HMPC #3 & #4: Mitigation Strategy Meeting Handouts

These can be found in Appendix C of this Plan.

A.8.4. HMPC #5: Final Meeting Handouts for HMPC

The handout used for the HMPC is in Section 2.2 of the Base Plan.

A.8.5. Public Meeting #1: Kickoff Meeting Handouts

Colusa County LHMP Update: 2024 Hazards (DRAFT)

- Ag Hazards: Severe Weather/Invasive Species
- Climate Change
- Dam Failure
- Drought & Water Shortage (with tree mortality)
- Earthquake (and subhazards)
- Flood: 1%/0.5%/0.2%
- Flood: Localized Stormwater Flooding
- Landslide, Mudslide, and Debris Flow
- Levee Failure
- Severe Weather: Extreme Cold and Freeze
- Severe Weather: Extreme Heat
- Severe Weather: Heavy Rains and Storms (Wind, Hail, Lightning)
- Severe Weather: High Winds and Tornadoes
- Subsidence
- Wildfire (with smoke and air quality)

Colusa County LHMP Update: Historic Hazard Worksheet (Past Occurrences)

Please fill out one sheet for each significant hazard event with as much detail as possible. Attach supporting documentation, photocopies of newspaper articles, links, or other original sources.

Type of event		
Nature and magnitude of event		
Location		
Date of event		
Injuries		
Deaths		
Property damage		
Infrastructure damage		
Crop damage		
Business/economic impacts		
Road/school/other closures		
Other damage		
Insured losses		
Federal/state disaster relief funding		
Opinion on likelihood of occurring again		
Source of information		
Comments		
	Please return worksheets by mail, email, or fax to: Jeanine Foster, Foster Morrison 6095 Zang Way Arvada, CO 80004 fax: (720) 893-0863 email: jeanine.foster@fostermorrison.com	
Prepared by:		
Phone:		
Email:		
Date:		

A.8.6. Public Meeting #2: Draft Plan (Vulnerable Populations Meeting) Handouts

COLUSA COUNTY 2024 LOCAL HAZARD MITIGATION PLAN (LHMP) FINAL PUBLIC MEETING #2 August 14, 2024

Participating Jurisdictions

- Colusa County*
- City of Colusa*
- City of Williams*
- Colusa County RCD
- Cortina Community Services District
- Kletsel Dehe Wintun Nation
- Reclamation District 108*
- RD 479
- Sacramento River West Side Levee District*

* Participated in 2018 Colusa County LHMP

Hazards List

- Ag Hazards: Severe Weather/Invasive Species (Pests and Weeds)
- Climate Change
- Dam Failure
- Drought & Water Shortage (with tree mortality)
- Earthquake (and subhazards)
- Flood: 1%/0.5%/0.2%
- Flood: Localized Stormwater Flooding
- Landslide, Mudslide, and Debris Flow
- Levee Failure
- Severe Weather: Extreme Cold and Freeze (with snow)
- Severe Weather: Extreme Heat
- Severe Weather: Heavy Rains and Storms (Wind, Hail, Lightning)
- Severe Weather: High Winds and Tornadoes
- Stream Bank Erosion
- Subsidence
- Wildfire (with smoke/air quality)

Mitigation Strategy: Colusa County Planning Area Goals

Goal 1: Minimize risk and vulnerability of Colusa County to natural hazards (including climate change considerations) and protect lives and prevent losses to property, public health, economy, and the environment

- Provide protection for existing and future development
- Provide protection for critical facilities, infrastructure, and services and minimize disruptions
- Provide protection for natural resources
- Reduce the number of emergency incidents
- Consider future impacts of climate change in natural hazard mitigation
- Foster an economy that promotes and values a proactive approach to mitigation
- Preserve the functionality of property, economy, and commerce, that may be affected by infrastructure vulnerability

Goal 2: Increase community/public outreach, education, and awareness for all hazards to minimize hazard-related losses

- Increase public awareness of hazard risk, vulnerability, and mitigation
- Enhance outreach and education of community members to promote a hazard resilient community
- Educate citizens and farmers on water conservation methods to provide protection from future hazard events and build support for water storage projects
- Educate and increase awareness and understanding of migrant and other transient residents on hazards and natural hazard mitigation
- Increase education and awareness and ensure adequate resources among historically underserved populations, individual with access and functional needs, and populations impacted by natural hazards and disasters

Goal 3: Improve communities' capabilities to prevent/mitigate hazard-related losses and to be prepared for, respond to, and recover from a disaster event

- Increase communities' capabilities to respond to increased climate impacts, (e.g., legislation, education, projects)
- Make better use of technology to predict and mitigate damage
- Increase the use of shared resources and multi-agency efforts
- Continued improvements to emergency services and public safety capabilities
- Increase participation by all County entities and agencies operating in Colusa County in disaster planning activities to improve hazard awareness, intra-and inter-agency communications, mitigation action implementation, and coordinated response and recovery efforts
- Enhance Tribal coordination for disasters
- Maintain Colusa County communities' eligibility for FEMA grant funding and other FEMA programs

Goal 4: Build capacity and capabilities to increase disaster resilience among historically underserved populations, individuals with access and functional needs, and communities disproportionately impacted by disasters and climate change

- Increase education, outreach, and awareness of natural hazards and disasters and ensure adequate resources with a focus on the whole community

- Reduce hazard risk and vulnerability and increase disaster resilience through the equitable and accessible planning and implementation of hazard mitigation actions and priorities
- Enhance natural hazard mitigation strategies to protect the most rural, vulnerable areas

Goal 5: Improve community resiliency to flooding in Colusa County

- Reduce the flood risk and vulnerability in Colusa County
- Reduce life safety issues, property loss, and damages associated with flooding
- Reduce flooding adjacent to streams, residential areas, and areas with critical infrastructure
- Improve stream flow to reduce bank erosion
- Maintain/improve flood protection and control measures, including maintenance and improvements to the levee systems, to minimize future flood related impacts and damages

Goal 6: Continue to protect and promote Colusa County agriculture by ensuring safe and effective farming practices that protect the citizens and environment and that minimize future hazard related losses

- Reduce the impacts to and loss of agricultural resources from natural hazards and disasters
- Support and implement water projects that replenish the aquifer, increase available agricultural water during critical times of need for local crops, and ensure a consistent water supply and distribution to County residents.
- Educate County citizens as to how they can help protect Colusa's agriculture from noxious weeds and pests
- Work with local farmers to keep canals, ditches, and streambeds clear of debris reducing downstream flooding and other impacts

Mitigation Strategy: Colusa County Planning Area Mitigation Actions

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Colusa County					
Multi-Hazard Actions					
Action 1. Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Previous Action	X	X		Prevention
Action 2. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	Previous Action	X	X	X	Public Education
Action 3. Alert and Warning System for Sheriff's Office and Public Health	New Action	X	X		Emergency Services
Action 4. Technology Enhancements to Support Hazard Mitigation Planning and Project Implementation and for use in Disaster Preparedness, Response, and Recovery Efforts (e.g., GIS Application Enhancements)	New Action	X	X	X	Prevention Public Information Emergency Services Property Protection
Action 5. Vulnerable Population Planning	New Action	X	X		Prevention Public Information Emergency Services
Action 6. Update 211 system	New Action	X	X		Emergency Services
Action 7. Coordinate with the American Red Cross (ARC) for Mass Care Planning	New Action	X	X		Prevention Public Information Emergency Services
Action 8. Vulnerable Population Planning (with a focus on Access and Functional Needs)	New Action	X	X		Prevention Public Information Emergency Services
Action 9. Coordination with Community Based Organizations	New Action	X	X		Prevention Public Information Emergency Services
Action 10. Public Education and Community Outreach Countywide	Previous Action	X	X		Public Education
Action 11. Enhance Tribal Coordination for Disasters	New Action	X	X		Prevention Emergency Services
Action 12. Generator Purchases to Enhance Project Power for Colusa County	New Action	X	X	X	Emergency Services Property Protection
Action 13. EOP Update & Implementation	New Action	X	X		Prevention Emergency Services
Action 14. Evacuation Planning Countywide	Previous Action	X	X		Emergency Services

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 15. Migrant Center Improvements/House Vulnerable Populations During Disaster					
Agricultural Hazards: Severe Weather/Invasive Species (Pests and Weeds)					
Action 16. Pest and Rodent Prevention Project for Infrastructure Protection	New Action	X	X		
Action 17. Development of Ordinance and Zoning to Limit/Manage Pest Introduction into Colusa County	New Action	X	X		
Action 18. Abandoned Agricultural Lands Pest Management (joint with RCD)	New Action	X	X		
Climate Change Actions					
Action 19. Climate Change Mitigation Adaptation Action Plan	New Action	X	X	X	Prevention
Action 20. Climate-smart Agricultural Planning (joint with RCD)	New Action	X	X		
Dam Failure Actions					
Action 21. Continue Communication about Dam Safety and Awareness County-wide	New Action	X	X	X	Prevention Public Information Emergency Services
Action 22. Dam Failure Mitigation, Education, and Awareness	Previous Action	X	X	X	Prevention Public Information Emergency Services
Drought and Water Shortage Actions					
Action 23. Groundwater Recharge (joint with RCD)	New Action	X	X		
Action 24. Invasive Species Removal from Waterways (joint with RCD)	New Action	X	X		
Action 25. Irrigation Efficiency Technical Assistance (joint with RCD)	New Action	X	X		
Action 26. On-farm Water Storage Projects (joint with RCD)	New Action	X	X		
Earthquake Actions					
Action 27. NEED					
Flood, Localized Flood, Levee Failure, and Heavy Rains and Storm Actions					
Action 28. Flood ordinance updates		X	X	X	Prevention

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 29. Localized Stormwater Management and Streambank Erosion Mitigation (joint with RCD)	New Action	X	X	X	Prevention Property Protection Natural Resource Protection
Action 30. Princeton Storm Water Drainage Assessment	Previous Action	X	X	X	Prevention Property Protection Natural Resource Protection
Landslide, Mudslide, and Debris Flow					
Action 31. NEED					
Severe Weather Actions					
Action 32. Sheltering for unhoused (winter weather)	New Action	X	X		Prevention Emergency Services
Action 33. Sheltering for Unhoused (Extreme Heat)	New Action	X	X		Prevention Emergency Services
Action 34. Severe Weather Plan Update	New Action	X	X	X	Prevention Emergency Services
Subsidence Actions					
Action 35. NEED					
Wildfire Actions					
Action 36. Beetle-killed Tree Removal (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
Action 37. Update and Implement Community Wildfire Protection Plan (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
Action 38. Colusa County Fire Mitigation Plan of 2024 Implementation (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
Action 39. Colusa County Fire Safe Council (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
City of Colusa					
Action 1. Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Previous Action	X	X		Prevention
Action 2. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	New Action	X	X	X	Public Education

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 3. Evacuation Training for the Community of Colusa	New Action				Emergency Services
Action 4. Fire and sanitation water is needed in case of emergency in the City of Colusa during a drought	New Action	X	X		Prevention Emergency Services Property Protection
Action 5. URM Mapping and Identification	Previous Action	X	X		Prevention Property Protection
Action 6. Project improvements to Decrease Flooding	New Action	X	X	X	Property Protection Structural Projects
Action 7. Levee Mitigation	New Action	X	X	X	Property Protection Structural Projects
Action 8. Colusa Basin Drain	New Action	X	X	X	Property Protection Structural Projects
City of Williams					
Action 1. Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Previous Action	X	X		Prevention
Action 2. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	New Action	X	X		Public Information
Action 3. Aquifer Recharge Project	New Action	X	X		Property Protection Natural Resource Protection
Action 4. Storm Drain Master Plan	Previous Action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 5. Salt Creek Erosion Control	New Action	X	X	X	Property Protection Natural Resource Protection
Action 6. Underground Powerlines	New Action	X	X		Property Protection Structural Projects
Action 7. Healthy Trees Program	New Action	X	X		Property Protection Natural Resource Protection
Colusa County RCD					
Action 1. Abandoned Agricultural Lands Pest Management	New Action	X	X		Property Protection Natural Resource Protection
Action 2. Beetle-killed Tree Removal	New Action	X	X		Property Protection Natural Resource Protection
Action 3. Climate Action Plan	New Action	X	X	X	Prevention

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 4. Climate-smart Agricultural Planning	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 5. Update and Implement Community Wildfire Protection Plan	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 6. Colusa County Fire Mitigation Plan of 2024 Implementation	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 7. Colusa County Fire Safe Council	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 8. Groundwater Recharge	New Action	X	X		Property Protection Natural Resource Protection
Action 9. Invasive Species Removal from Waterways	New Action	X	X	X	Property Protection Natural Resource Protection
Action 10. Irrigation Efficiency Technical Assistance	New Action	X	X		Property Protection Natural Resource Protection
Action 11. Localized Stormwater Management and Streambank Erosion Mitigation	New Action	X	X	X	Property Protection Natural Resource Protection
Action 12. On-farm Water Storage Projects	New Action	X	X		Property Protection Natural Resource Protection
Cortina Community Services District					
Action 1. Armor the Salt Creek Bank	New Action	X	X	X	Property Protection Natural Resource Protection
Kletsel Dehe Wintun Nation					
Action 2. Update Cortina Rancheria Climate Change Adaptation Plan (2017)	New Action	X	X	X	Prevention
Action 3. Water Tank	New Action	X	X		Property Protection Structural Project
Action 4. Emergency Generator	New Action	X	X		Emergency Services Property Protection
Action 5. Improve Erosion Control Management Practices	New Action	X	X	X	Property Protection Natural Resource Protection

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 6. Secondary Evacuation Route	New Action	X	X		Emergency Services
Action 7. Fuel Reduction and Defensible Space Projects	New Action	X	X		Property Protection Natural Resource Protection
Action 8. Enhanced Mapping and Assessing Rancheria Vulnerability to Hazards	New Action	X	X		Prevention Emergency Services Property Protection
Action 9. Public Education and Outreach	New Action	X	X	X	Public Information
RD 108					
Action 10. Emergency Generator Maintenance and Upkeep - District Office	Previous Action	X	X	X	Emergency Services Property Protection
Action 11. Emergency Generator - Pump Stations	Previous Action	X	X	X	Emergency Services Property Protection
Action 12. Stabilization of Colusa Basin Drain Levee	Previous Action	X	X	X	Property Protection Structural Projects
RD 479					
Action 13. RD 479 Integrity Preservation	New Action	X	X	X	Property Protection Structural Projects
Sacramento Westside Levee District					
Action 14. Seepage Mitigation of Sacramento River Levee	Previous Action	X	X	X	Property Protection Structural Projects
Action 15. Hardening of Sacramento River Levee	Previous Action	X	X	X	Property Protection Structural Projects

Action 4: Technology Enhancements to Support Hazard Mitigation Planning and Project Implementation and for use in Disaster Preparedness, Response, and Recovery Efforts (e.g., GIS Application Enhancements)

Hazards Addressed: Multi-hazard (Ag Hazards: Severe Weather/Invasive Species (Pests and Weeds), Climate Change, Dam Failure, Drought & Water shortage, Earthquake, Floods: 1%/0.2% annual chance, Floods: Localized Stormwater, Landslide, Mudslide, and Debris Flow, Levee Failure, Severe Weather: Extreme Cold and Freeze, Severe Weather: Extreme Heat, Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning), Severe Weather: High Winds and Tornados, Stream Bank Erosion, Subsidence, Wildfire)

Goals Addressed: 1, 3, 4, 5, 6

Issue/Background: Colusa County requires a high-impact response and recovery plan with the right resources in the right place at the right time due to its geography. Cities within the county are separated by miles with limited to no infrastructure in between. GIS can forecast surge and optimize resource allocation resources can be placed precisely where they are most needed. Mapping and analysis can expose gaps in

capacity, show at-risk populations' needs, aid in effectively distributing supplies, and inform personnel allocation. Location intelligence supports the distribution of resources where people and need intersect.

Project Description: Geographic information Software will serve as the common denominator for Colusa County DHHS preparedness solution because location data is essential to every phase of planning, response, and recovery. GIS scales to events ranging from inclement weather conditions to pandemics. It helps state and local governments scope out the extent of a public health crisis and predict the path forward for allocating resources and monitoring processes and outcomes. Maps and apps enable public health officials to coordinate efforts with other agencies and external stakeholders. The public health preparedness community can make major inroads by embracing GIS data, models, communication and engagement hubs, and location-centric applications.

Other Alternatives: There are no **Other Alternatives**

Existing Planning Mechanism(s) through which Action Will Be Implemented: This plan will be implemented through our ArcGIS Organizational Account.

Responsible Office/Partners: Department of Health and Human Services

Benefits (Losses Avoided): Using Esri Software for Health and Human services professionals to provide insights, Spatial data and geographic information system (GIS) technology to underscore coverage gaps in the populations we hope to reach, to create opportunities to improve workflows, and the ability to plan for and mitigate against unforeseen events.

Potential Funding: Behavioral Health Bridge Housing Program Round 3

Timeline: November 2024- March 2025

Project Priority (H, M, L): H

Action 5. Vulnerable Population Planning

Hazards Addressed: Multi-hazard (Ag Hazards: Severe Weather/Invasive Species (Pests and Weeds), Climate Change, Dam Failure, Drought & Water shortage, Earthquake, Floods: 1%/0.2% annual chance, Floods: Localized Stormwater, Landslide, Mudslide, and Debris Flow, Levee Failure, Severe Weather: Extreme Cold and Freeze, Severe Weather: Extreme Heat, Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning), Severe Weather: High Winds and Tornados, Stream Bank Erosion, Subsidence, Wildfire)

Goals Addressed: 1, 3, 4, 5,

Issue/Background: During disasters, people with higher needs for care require specialized sheltering options. This may include shelter similar to skilled nursing or psychiatric care hospitals, identifying the County's need and resources. During the 2018 Camp Fire Colusa assisted Butte county by providing sheltering for vulnerable populations in the Williams Migrant Center.

Project Description: Development of a shelter plan focused on vulnerable populations, this may include the use of Williams Migrant Center, Local Motels and Hotels or an MOU with a neighboring county to assist in sheltering vulnerable populations.

Other Alternatives: Formalize MOUS with neighboring County to provide care for our vulnerable populations.

Existing Planning Mechanism(s) through which Action Will Be Implemented: There is an existing reoccurring multidisciplinary meeting in which partner organizations meet to discuss the safety and well-being of vulnerable county residents as well as high intensity users of services.

Responsible Office/Partners: Public Health, Fire, Police, Sheriff, Behavioral Health, Red Cross, APS/CPS Units

Benefits (Losses Avoided): Avoid exacerbation of existing conditions due to complications related to vulnerable populations. The mitigation of specialized need reduces the strain placed on EMS services and first responders that are responding to primary incidents.

Potential Funding: FEMA disaster funding: HMGP, HHAP Funds,

Timeline: Within 5 years

Project Priority (H, M, L): M

Action 8. *Vulnerable Population Planning (with a focus on Access and Functional Needs)*

Hazards Addressed: Multi-hazard (Ag Hazards: Severe Weather/Invasive Species (Pests and Weeds), Climate Change, Dam Failure, Drought & Water shortage, Earthquake, Floods: 1%/0.2% annual chance, Floods: Localized Stormwater, Landslide, Mudslide, and Debris Flow, Levee Failure, Severe Weather: Extreme Cold and Freeze, Severe Weather: Extreme Heat, Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning), Severe Weather: High Winds and Tornados, Stream Bank Erosion, Subsidence, Wildfire)

Goals Addressed: 1, 3, 4, 5

Issue/Background: Vulnerable populations are disproportionately affected by emergencies and disasters than the rest of the population. This occurs for various reasons depending on the hazard and the individual. Colusa County has a history of being underserved in regards to services available and community based organizations.

Project Description: This project will coordinate with various AFN services providers and independent living center organizations to increase capacity and subject matter expertise. It will also facilitate an AFN disaster work group. This work group would support county efforts to support vulnerable populations during disasters.

Other Alternatives: Set-up subcommittee from an already active work group in the county.

Existing Planning Mechanism(s) through which Action Will Be Implemented: Utilize Colusa County Partners for Health, Healthcare Coalition and Emergency Medical Care Committee to make connections with service providers.

Responsible Office/Partners: DHHS

Benefits (Losses Avoided): Improved community resilience to disasters. Enhanced County coordination and response specific to vulnerable populations during an emergency or disaster.

Potential Funding: CASPHI

Timeline: July 1, 2026

Project Priority (H, M, L): M

Action 15. *Migrant Center Improvements/House Vulnerable Populations During Disaster*

Hazards Addressed: Multi-hazard (Ag Hazards: Severe Weather/Invasive Species (Pests and Weeds), Climate Change, Dam Failure, Drought & Water shortage, Earthquake, Floods: 1%/0.2% annual chance, Floods: Localized Stormwater, Landslide, Mudslide, and Debris Flow, Levee Failure, Severe Weather: Extreme Cold and Freeze, Severe Weather: Extreme Heat, Severe Weather: Heavy Rain and Storms (Wind, Hail, Lightning), Severe Weather: High Winds and Tornados, Stream Bank Erosion, Subsidence, Wildfire)

Goals Addressed: 1, 3, 4, 5, 6

Issue/Background: The County operates a 100-unit Migrant Farm Housing. These units were intended to be used during the summer months by migrant farm workers. Due to their seasonal use, the units were not built with heating. They only had evaporative cooling to each unit. This prevented them from being used for habitation in the winter months.

Project Description: In 2022, the BOS entered into an agreement with HCD-OMS to provide improvements to the aging Migrant Center. These improvements included Central Heating and Air to all 100 units. This allowed them to be used in the winter months for emergency housing situations. They need to be maintained year-round.

Other Alternatives: No action

Existing Planning Mechanism(s) through which Action Will Be Implemented: HCD-OMS agreement.

Responsible Office/Partners: Agreement between property owner and operator (Colusa County) and the CA HCD-OMS building owner and funding authority for the Migrant Center Program.

Benefits (Losses Avoided): Provides housing for vulnerable populations during emergency situations.

Potential Funding: HCD-OMS funding for capital improvement and infrastructure to their buildings.

Timeline: Continual maintenance

Project Priority (H, M, L): Low

A.8.7. Public Meeting #3 Handouts for Public

COLUSA COUNTY 2024 LOCAL HAZARD MITIGATION PLAN (LHMP) FINAL PUBLIC MEETING August 14, 2024

Participating Jurisdictions

- Colusa County*
- City of Colusa*
- City of Williams*
- Colusa County RCD
- Cortina Community Services District
- Kletsel Dehe Wintun Nation
- Reclamation District 108*
- RD 479
- Sacramento River West Side Levee District*

* Participated in 2018 Colusa County LHMP

Hazards List

- Ag Hazards: Severe Weather/Invasive Species (Pests and Weeds)
- Climate Change
- Dam Failure
- Drought & Water Shortage (with tree mortality)
- Earthquake (and subhazards)
- Flood: 1%/0.5%/0.2%
- Flood: Localized Stormwater Flooding
- Landslide, Mudslide, and Debris Flow
- Levee Failure
- Severe Weather: Extreme Cold and Freeze (with snow)
- Severe Weather: Extreme Heat
- Severe Weather: Heavy Rains and Storms (Wind, Hail, Lightning)
- Severe Weather: High Winds and Tornadoes
- Stream Bank Erosion
- Subsidence
- Wildfire (with smoke/air quality)

Mitigation Strategy: Colusa County Planning Area Goals

Goal 1: Minimize risk and vulnerability of Colusa County to natural hazards (including climate change considerations) and protect lives and prevent losses to property, public health, economy, and the environment

- Provide protection for existing and future development
- Provide protection for critical facilities, infrastructure, and services and minimize disruptions
- Provide protection for natural resources
- Reduce the number of emergency incidents
- Consider future impacts of climate change in natural hazard mitigation
- Foster an economy that promotes and values a proactive approach to mitigation
- Preserve the functionality of property, economy, and commerce, that may be affected by infrastructure vulnerability

Goal 2: Increase community/public outreach, education, and awareness for all hazards to minimize hazard-related losses

- Increase public awareness of hazard risk, vulnerability, and mitigation
- Enhance outreach and education of community members to promote a hazard resilient community
- Educate citizens and farmers on water conservation methods to provide protection from future hazard events and build support for water storage projects
- Educate and increase awareness and understanding of migrant and other transient residents on hazards and natural hazard mitigation
- Increase education and awareness and ensure adequate resources among historically underserved populations, individual with access and functional needs, and populations impacted by natural hazards and disasters

Goal 3: Improve communities' capabilities to prevent/mitigate hazard-related losses and to be prepared for, respond to, and recover from a disaster event

- Increase communities' capabilities to respond to increased climate impacts, (e.g., legislation, education, projects)
- Make better use of technology to predict and mitigate damage
- Increase the use of shared resources and multi-agency efforts
- Continued improvements to emergency services and public safety capabilities
- Increase participation by all County entities and agencies operating in Colusa County in disaster planning activities to improve hazard awareness, intra-and inter-agency communications, mitigation action implementation, and coordinated response and recovery efforts
- Enhance Tribal coordination for disasters
- Maintain Colusa County communities' eligibility for FEMA grant funding and other FEMA programs

Goal 4: Build capacity and capabilities to increase disaster resilience among historically underserved populations, individuals with access and functional needs, and communities disproportionately impacted by disasters and climate change

- Increase education, outreach, and awareness of natural hazards and disasters and ensure adequate resources with a focus on the whole community

- Reduce hazard risk and vulnerability and increase disaster resilience through the equitable and accessible planning and implementation of hazard mitigation actions and priorities
- Enhance natural hazard mitigation strategies to protect the most rural, vulnerable areas

Goal 5: Improve community resiliency to flooding in Colusa County

- Reduce the flood risk and vulnerability in Colusa County
- Reduce life safety issues, property loss, and damages associated with flooding
- Reduce flooding adjacent to streams, residential areas, and areas with critical infrastructure
- Improve stream flow to reduce bank erosion
- Maintain/improve flood protection and control measures, including maintenance and improvements to the levee systems, to minimize future flood related impacts and damages

Goal 6: Continue to protect and promote Colusa County agriculture by ensuring safe and effective farming practices that protect the citizens and environment and that minimize future hazard related losses

- Reduce the impacts to and loss of agricultural resources from natural hazards and disasters
- Support and implement water projects that replenish the aquifer, increase available agricultural water during critical times of need for local crops, and ensure a consistent water supply and distribution to County residents.
- Educate County citizens as to how they can help protect Colusa's agriculture from noxious weeds and pests
- Work with local farmers to keep canals, ditches, and streambeds clear of debris reducing downstream flooding and other impacts



Mitigation Strategy: Colusa County Planning Area Mitigation Actions

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Colusa County					
Multi-Hazard Actions					
Action 16. Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Previous Action	X	X		Prevention
Action 17. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	Previous Action	X	X	X	Public Education
Action 18. Alert and Warning System for Sheriff's Office and Public Health	New Action	X	X		Emergency Services
Action 19. Technology Enhancements to Support Hazard Mitigation Planning and Project Implementation and for use in Disaster Preparedness, Response, and Recovery Efforts (e.g., GIS Application Enhancements)	New Action	X	X	X	Prevention Public Information Emergency Services Property Protection
Action 20. Vulnerable Population Planning	New Action	X	X		Prevention Public Information Emergency Services
Action 21. Update 211 system	New Action	X	X		Emergency Services
Action 22. Coordinate with the American Red Cross (ARC) for Mass Care Planning	New Action	X	X		Prevention Public Information Emergency Services
Action 23. Vulnerable Population Planning (with a focus on Access and Functional Needs)	New Action	X	X		Prevention Public Information Emergency Services
Action 24. Coordination with Community Based Organizations	New Action	X	X		Prevention Public Information Emergency Services
Action 25. Public Education and Community Outreach Countywide	Previous Action	X	X		Public Education
Action 26. Enhance Tribal Coordination for Disasters	New Action	X	X		Prevention Emergency Services
Action 27. Generator Purchases to Enhance Project Power for Colusa County	New Action	X	X	X	Emergency Services Property Protection
Action 28. EOP Update & Implementation	New Action	X	X		Prevention Emergency Services

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 29. Evacuation Planning Countywide	Previous Action	X	X		Emergency Services
Action 30. Migrant Center Improvements/House Vulnerable Populations During Disaster					
Agricultural Hazards: Severe Weather/Invasive Species (Pests and Weeds)					
Action 31. Pest and Rodent Prevention Project for Infrastructure Protection	New Action	X	X		
Action 32. Development of Ordinance and Zoning to Limit/Manage Pest Introduction into Colusa County	New Action	X	X		
Action 33. Abandoned Agricultural Lands Pest Management (joint with RCD)	New Action	X	X		
Climate Change Actions					
Action 34. Climate Change Mitigation Adaptation Action Plan	New Action	X	X	X	Prevention
Action 35. Climate-smart Agricultural Planning (joint with RCD)	New Action	X	X		
Dam Failure Actions					
Action 36. Continue Communication about Dam Safety and Awareness County-wide	New Action	X	X	X	Prevention Public Information Emergency Services
Action 37. Dam Failure Mitigation, Education, and Awareness	Previous Action	X	X	X	Prevention Public Information Emergency Services
Drought and Water Shortage Actions					
Action 38. Groundwater Recharge (joint with RCD)	New Action	X	X		
Action 39. Invasive Species Removal from Waterways (joint with RCD)	New Action	X	X		
Action 40. Irrigation Efficiency Technical Assistance (joint with RCD)	New Action	X	X		
Action 41. On-farm Water Storage Projects (joint with RCD)	New Action	X	X		
Earthquake Actions					
Action 42. NEED					
Flood, Localized Flood, Levee Failure, and Heavy Rains and Storm Actions					
Action 43. Flood ordinance updates		X	X	X	Prevention

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 44. Localized Stormwater Management and Streambank Erosion Mitigation (joint with RCD)	New Action	X	X	X	Prevention Property Protection Natural Resource Protection
Action 45. Princeton Storm Water Drainage Assessment	Previous Action	X	X	X	Prevention Property Protection Natural Resource Protection
Landslide, Mudslide, and Debris Flow					
Action 46. NEED					
Severe Weather Actions					
Action 47. Sheltering for unhoused (winter weather)	New Action	X	X		Prevention Emergency Services
Action 48. Sheltering for Unhoused (Extreme Heat)	New Action	X	X		Prevention Emergency Services
Action 49. Severe Weather Plan Update	New Action	X	X	X	Prevention Emergency Services
Subsidence Actions					
Action 50. NEED					
Wildfire Actions					
Action 51. Beetle-killed Tree Removal (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
Action 52. Update and Implement Community Wildfire Protection Plan (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
Action 53. Colusa County Fire Mitigation Plan of 2024 Implementation (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
Action 54. Colusa County Fire Safe Council (joint with RCD)	New Action	X	X		Natural Resource Protection Prevention Property Protection
City of Colusa					
Action 55. Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Previous Action	X	X		Prevention
Action 56. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	New Action	X	X	X	Public Education

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 57. Evacuation Training for the Community of Colusa	New Action				Emergency Services
Action 58. Fire and sanitation water is needed in case of emergency in the City of Colusa during a drought	New Action	X	X		Prevention Emergency Services Property Protection
Action 59. URM Mapping and Identification	Previous Action	X	X		Prevention Property Protection
Action 60. Project improvements to Decrease Flooding	New Action	X	X	X	Property Protection Structural Projects
Action 61. Levee Mitigation	New Action	X	X	X	Property Protection Structural Projects
Action 62. Colusa Basin Drain	New Action	X	X	X	Property Protection Structural Projects
City of Williams					
Action 63. Integrate Local Hazard Mitigation Plan into Safety Element of General Plan	Previous Action	X	X		Prevention
Action 64. Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness	New Action	X	X		Public Information
Action 65. Aquifer Recharge Project	New Action	X	X		Property Protection Natural Resource Protection
Action 66. Storm Drain Master Plan	Previous Action	X	X	X	Property Protection Structural Projects Natural Resource Protection
Action 67. Salt Creek Erosion Control	New Action	X	X	X	Property Protection Natural Resource Protection
Action 68. Underground Powerlines	New Action	X	X		Property Protection Structural Projects
Action 69. Healthy Trees Program	New Action	X	X		Property Protection Natural Resource Protection
Colusa County RCD					
Action 70. Abandoned Agricultural Lands Pest Management	New Action	X	X		Property Protection Natural Resource Protection
Action 71. Beetle-killed Tree Removal	New Action	X	X		Property Protection Natural Resource Protection
Action 72. Climate Action Plan	New Action	X	X	X	Prevention

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 73. Climate-smart Agricultural Planning	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 74. Update and Implement Community Wildfire Protection Plan	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 75. Colusa County Fire Mitigation Plan of 2024 Implementation	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 76. Colusa County Fire Safe Council	New Action	X	X		Prevention Property Protection Natural Resource Protection
Action 77. Groundwater Recharge	New Action	X	X		Property Protection Natural Resource Protection
Action 78. Invasive Species Removal from Waterways	New Action	X	X	X	Property Protection Natural Resource Protection
Action 79. Irrigation Efficiency Technical Assistance	New Action	X	X		Property Protection Natural Resource Protection
Action 80. Localized Stormwater Management and Streambank Erosion Mitigation	New Action	X	X	X	Property Protection Natural Resource Protection
Action 81. On-farm Water Storage Projects	New Action	X	X		Property Protection Natural Resource Protection
Cortina Community Services District					
Action 82. Armor the Salt Creek Bank	New Action	X	X	X	Property Protection Natural Resource Protection
Klatsel Dehe Wintun Nation					
Action 83. Update Cortina Rancheria Climate Change Adaptation Plan (2017)	New Action	X	X	X	Prevention
Action 84. Water Tank	New Action	X	X		Property Protection Structural Project
Action 85. Emergency Generator	New Action	X	X		Emergency Services Property Protection
Action 86. Improve Erosion Control Management Practices	New Action	X	X	X	Property Protection Natural Resource Protection

Action Title	New Action/ Previous Action	Address Current Development	Address Future Development	Continued NFIP Compliance	Mitigation Type
Action 87. Secondary Evacuation Route	New Action	X	X		Emergency Services
Action 88. Fuel Reduction and Defensible Space Projects	New Action	X	X		Property Protection Natural Resource Protection
Action 89. Enhanced Mapping and Assessing Rancheria Vulnerability to Hazards	New Action	X	X		Prevention Emergency Services Property Protection
Action 90. Public Education and Outreach	New Action	X	X	X	Public Information
RD 108					
Action 91. Emergency Generator Maintenance and Upkeep - District Office	Previous Action	X	X	X	Emergency Services Property Protection
Action 92. Emergency Generator - Pump Stations	Previous Action	X	X	X	Emergency Services Property Protection
Action 93. Stabilization of Colusa Basin Drain Levee	Previous Action	X	X	X	Property Protection Structural Projects
RD 479					
Action 94. RD 479 Integrity Preservation	New Action	X	X	X	Property Protection Structural Projects
Sacramento Westside Levee District					
Action 95. Seepage Mitigation of Sacramento River Levee	Previous Action	X	X	X	Property Protection Structural Projects
Action 96. Hardening of Sacramento River Levee	Previous Action	X	X	X	Property Protection Structural Projects