



KENSINGTON FIRE PROTECTION DISTRICT

DATE: October 18, 2023
TO: Board of Directors
RE: Update on Local Hazard Mitigation Plan (LHMP)
SUBMITTED BY: Mary A. Morris-Mayorga, General Manager

Recommended Action

Discuss and consider directing staff to hold a Town Hall meeting to collect community input as required by Contra Costa County for the Local Hazard Mitigation Plan (LHMP).

Background

In 2018, the District's Local Hazard Mitigation Plan (LHMP) was adopted as part of Contra Costa County's LHMP. The County has embarked on the plan update and recently held a webinar to review the process and schedule, with expected completion in early 2024 as it is required for FEMA grant eligibility. This will allow agencies to be eligible for hazard mitigation assistance grants including the Hazard Mitigation Assistance Program (HMGP) and Building Resilience Infrastructure in Communities (BRIC).

A new component of BRIC is a two-phase process for communities that have a known problem but have not yet identified a solution since it may require design and analyses: planning and design phase, and project implementation phase. BRIC's 2024 application process begins in summer 2024 with Notice of Intent to apply for a grant with the application due in the fall. Cal OES emphasizes the importance of being comprehensive by including a "wish list" of known or potential projects for the next 5 years which does not obligate an agency to complete those projects.

The County reviewed new FEMA requirements effective in the spring to engage the public to be part of the planning process allowing "An opportunity for the public to comment on the plan during the drafting stage AND prior to plan approval." To address this, I spoke with KPPCSD Interim General Manager David Aranda and Fire Chief Eric Saylor who agreed that a Kensington Town Hall meeting to collect input would assist us in efficiently facilitating this. To that end, we would like to schedule this meeting in the near future with the intent that it not be structured as a Board meeting.

Fiscal Impact

There is no fiscal impact at this time.

Attachments: KFPD Local Hazard Mitigation Plan (LHMP)

28. KENSINGTON FIRE PROTECTION DISTRICT

28.1 HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact

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Alternate Point of Contact

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28.2 JURISDICTION PROFILE

28.2.1 Overview

Kensington Fire Protection District is a relatively small fire district that serves the small unincorporated community of Kensington, which is located in Western Contra Costa County. The community is neighbored by the City of El Cerrito on the west and north, the City of Berkeley on the south, and East Bay Regional Parks open area on the east.

The Kensington Fire Protection District serves approximately 1.1 square miles with about 2,300 homes and businesses. The population of Kensington is approximately 5,250 people and has an assessed value of over \$1,650,000,000. The community of Kensington is almost entirely built out and has a very low growth rate. The community is largely an elder population with fixed incomes. However, lately resale or inheritance of existing home stocks have been trending towards a younger population. With this growth trend we expect the population to remain consistent with today's demographics.

The unincorporated town of Kensington began a volunteer fire department in 1928. Twenty-four years later, the Kensington Fire Protection District (formed in 1937) hired a staff of professional firefighters under the supervision of a fire chief. In 1995, the District entered into a contract with the City of El Cerrito whereby El Cerrito would provide all fire prevention, fire suppression and emergency services within Kensington for an annual fee. Currently, the Kensington Fire Protection District has one employee who serves as the District's Administrator.

The early fire department was housed in a small, quaint English country-style building next to the Chevron Oil gas station on the Arlington. The current public safety building, owned by the District, was constructed in 1970 and substantially renovated in 1998-1999. In addition to seismic upgrading of the Public Safety Building, the Board of Directors works to enhance public safety. As a result, the District owns two fire engines. These fire engines are specifically engineered for the steep, narrow streets of Kensington and the urban interface fire situation that the community faces. One of these fire engines is a Type I engine for structural firefighting and the other engine is a Type III or wildland fire engine for use during high fire season.

The district initiated paramedic service in 2001. It offers the first engine-based Advanced Life Support service in West Contra Costa County, bringing medications and equipment to a patient’s side in under five minutes on average. In addition to our paramedic service, we are able to provide a timely and appropriate level of response by active participation with other West Contra Costa County fire agencies in automatic response agreements that use the combined resources of all agencies to serve the area irrespective of jurisdictional lines.

To help ensure our community’s safety, the District developed and operates a Community Emergency Response Team (CERT) training program. This program has been offered to the community since 1995 and has trained several hundred community members to be prepared and self-sustaining for several days after a major disaster. The District is governed by a five-person Board of Directors elected by the voters of Kensington and is funded by property tax revenues as well as a special tax approved by the voters in 1980.

The Kensington Fire Protection District assumes responsibility for the adoption of this plan: the Kensington Fire Protection District will oversee its implementation.

The District participates in the Public Protection Class Rating System and currently has a rating of 3.

28.2.2 Assets

Table 28-1 summarizes the critical assets of the district and their value.

Asset	Value
Property	
.5 acres of land	\$500,00.00
Critical Infrastructure and Equipment	
Type 1 Fire Engine	\$650,000.00
Type 3 Fire Engine	\$450,000.00
Emergency Generator	\$200,000.00
Total:	\$1,000,000.00
Critical Facilities	
Fire Station	\$6,000,000.00
Total:	\$6,000,000.00

28.3 CAPABILITY ASSESSMENT

28.3.1 Planning and Regulatory Capabilities

Jurisdictions develop plans and programs and implement rules and regulations to protect and serve residents. When effectively prepared and administered, these plans, programs and regulations can support the implementation of mitigation actions. The following existing codes, ordinances, policies, programs or plans are applicable to this hazard mitigation plan:

- **California Department of Public Health**—The Community of Kensington Fire protection District (KFPD) is under the direction of the Contra Costa County Health Department and has function in that manner.
- **California and US Environmental Protection Agencies**—The KFPD follows all CEQA & NEQA guidelines.
- **California Code of Regulations**—KFPD subscribes to the 2017 CCR
- **Federal Endangered Species Act**

- **California Environmental Quality Act (CEQA)**—KFPD uses current and published CEQA guidelines
- **Contra Costa County, Community Wildfire Protection Plan (CWPP)**—The KFPD developed and adopted their own CWPP in 2017
- **California Building Codes**—The Kensington Fire Protection District currently is subject to the California Building Codes and falls within the Very High Fire Severity Zone and all new building is subject to the California Wildland Urban Interface Codes.
- **Vegetation Management Standards**—The District has adopted “Vegetation Management Standards” that all property owners must comply with.

28.3.2 Fiscal, Administrative and Technical Capabilities

Fiscal capability is an indicator of a jurisdiction’s ability to fulfill the financial needs associated with hazard mitigation projects. An assessment of fiscal capabilities is presented in Table 28-2. Administrative and technical capabilities represent a jurisdiction’s staffing resources for carrying out the mitigation strategy. An assessment of administrative and technical capabilities is presented in Table 28-3.

Table 28-2. Fiscal Capability

Financial Resource	Accessible or Eligible to Use?
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	No
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Federal Grant Programs	Yes
Other	No

Table 28-3. Administrative and Technical Capability

Staff/Personnel Resource	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	By Contract
Engineers or professionals trained in building or infrastructure construction practices	Yes	By Contract
Planners or engineers with an understanding of natural hazards	Yes	By Contract
Staff with training in benefit/cost analysis	Yes	By Contract
Surveyors	Yes	By Contract
Personnel skilled or trained in GIS applications	Yes	By Contract
Scientist familiar with natural hazards in local area	Yes	By Contract
Emergency manager	Yes	Fire Chief
Grant writers	Yes	By Contract
Other	No	None

28.3.3 Education and Outreach Capabilities

Outreach and education capability identifies the connection between government and community members, which opens a dialogue needed for a more resilient community. An assessment of education and outreach capabilities is presented in Table 28-4.

Table 28-4. Education and Outreach

Criterion	Response
Do you have a Public Information Officer or Communications Office?	Yes
Do you have personnel skilled or trained in website development?	No
Do you have hazard mitigation information available on your website? • If yes, please briefly describe	Yes CWPP, CERT, LHMP
Do you utilize social media for hazard mitigation education and outreach? • If yes, please briefly describe	Yes Nextdoor
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, please briefly specify	Yes The Kensington Emergency Preparedness Group
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, please briefly describe	Yes CWS, TENS, CERT, KARO/ECHO Amateur Radio Group and District website
Do you have any established warning systems for hazard events? • If yes, please briefly describe	Yes CWS, TENS

28.3.4 Adaptive Capacity for Climate Change

Given the uncertainties associated with how hazard risk may change with a changing climate, a jurisdiction’s ability to track such changes and adapt as needed is an important component of the mitigation strategy. Table 28-5 summarizes the District’s adaptive capacity for climate change.

28.4 INTEGRATION WITH OTHER PLANNING INITIATIVES

The information on hazards, risk, vulnerability and mitigation contained in this hazard mitigation plan is based on the best available data. Plan integration is the incorporation of this information into other relevant planning mechanisms, such as general planning and capital facilities planning. It includes the integration of natural hazard information and mitigation policies, principles and actions into local planning mechanisms and vice versa. Additionally, plan integration is achieved through the involvement of key staff and community officials in collaboratively planning for hazard mitigation.

28.4.1 Existing Integration

In the performance period since adoption of the previous hazard mitigation plan, the Kensington Fire Protection District made progress on integrating hazard mitigation goals, objectives and actions into other planning initiatives. The following plans and programs currently integrate components of the hazard mitigation strategy:

- **Community Wildfire Protection Plan (CWPP)**—The CWPP includes information on risk and potential mitigation strategies to the wildfire hazard. Information has been incorporated from this plan into the hazard mitigation plan as appropriate, and vice versa.

Resources listed in Section 28.10 were used to provide information on hazard events and local capabilities within the jurisdiction.

Table 28-5. Adaptive Capacity for Climate Change

Criterion	Jurisdiction Rating ^a
Technical Capacity	
Jurisdiction-level understanding of potential climate change impacts <i>Comments/Additional Information: Limited to non-scientific staff with an interest in Climate Change</i>	Medium
Jurisdiction-level monitoring of climate change impacts <i>Comments/Additional Information: Limited to non-scientific staff with an interest in Climate Change</i>	Low
Technical resources to assess proposed strategies for feasibility and externalities <i>Comments/Additional Information: Limited to non-scientific staff with an interest in Climate Change</i>	Low
Jurisdiction-level capacity for development of greenhouse gas emissions inventory <i>Comments/Additional Information: Small district with no regulatory control over greenhouse gasses</i>	Low
Capital planning and land use decisions informed by potential climate impacts <i>Comments/Additional Information: Small district with no regulatory control over development</i>	Low
Participation in regional groups addressing climate risks <i>Comments/Additional Information: None provided</i>	Low
Implementation Capacity	
Clear authority/mandate to consider climate change impacts during public decision-making processes <i>Comments/Additional Information: District has no authority to regulate influences in climate change</i>	Low
Identified strategies for greenhouse gas mitigation efforts <i>Comments/Additional Information: No regulatory jurisdiction of such influences</i>	Low
Identified strategies for adaptation to impacts <i>Comments/Additional Information: New equipment bought with concern with pollution</i>	Medium
Champions for climate action in local government departments <i>Comments/Additional Information: Board members prescribe to and support climate change initiatives</i>	Medium
Political support for implementing climate change adaptation strategies <i>Comments/Additional Information: Board members support climate change initiatives in local government</i>	Medium
Financial resources devoted to climate change adaptation <i>Comments/Additional Information: In new apparatus and facilities upgrades or purchases</i>	Low
Local authority over sectors likely to be negative impacted <i>Comments/Additional Information: None The district reduces negative impacts of wildfire by enforcing vegetation management standards</i>	Low
Public Capacity	
Local residents knowledge of and understanding of climate risk <i>Comments/Additional Information: The community is extremely environmentally aware and conscious of climate change</i>	High
Local residents support of adaptation efforts <i>Comments/Additional Information: The community strongly supports all climate change efforts</i>	High
Local residents' capacity to adapt to climate impacts <i>Comments/Additional Information: The community is an older population with many residents living on fixed incomes</i>	Medium
Local economy current capacity to adapt to climate impacts <i>Comments/Additional Information: The community is an older population with many residents living on fixed incomes</i>	Medium
Local ecosystems capacity to adapt to climate impacts <i>Comments/Additional Information: The local ecosystem is very adaptive in the short term</i>	Medium

- a. High = The capacity exists and is in use; Medium = The capacity may exist, but is not used or could use some improvement; Low = Capacity does not exist or could use substantial improvement; Unsure= Not enough information is known to assign a rating.

28.4.2 Opportunities for Future Integration

As this hazard mitigation plan is implemented, the Kensington Fire Protection District will use information from the plan as the best available science and data on natural hazards. The capability assessment presented in this annex identifies codes, plans and programs that provide opportunities for integration. The area-wide and local action plans developed for this hazard mitigation plan include actions related to plan integration, and progress on these actions will be reported through the progress reporting process described in Volume 1. New opportunities for integration also will be identified as part of the annual progress report. The capability assessment identified the following plans and programs that do not currently integrate goals or recommendations of the hazard mitigation plan but provide opportunities to do so in the future:

- **Emergency Operations Plan**—At the time of its next update, information from the hazard mitigation plan will be incorporated as appropriate.
- **Local amendments to the CFC**—Information from the risk assessment will be used to inform local amendments to the CFC, as appropriate.

28.5 JURISDICTION-SPECIFIC NATURAL HAZARD EVENT HISTORY

Table 28-6 lists past occurrences of natural hazards for which specific damage was recorded in the Kensington Fire Protection District. Other hazard events that broadly affected the entire planning area, including the Kensington Fire Protection District, are listed in the risk assessments in Volume 1 of this hazard mitigation plan.

Table 28-6. Natural Hazard Events

Type of Event	FEMA Disaster # (if applicable)	Date	Damage Assessment
Severe Weather, Winter Storm	FEMA-1203-DR	2/9/1998	No estimates available
Earthquake	FEMA-845	10/17/1989	No estimates available

28.6 JURISDICTION-SPECIFIC VULNERABILITIES

Volume 1 of this hazard mitigation plan provides complete risk assessments for each identified hazard of concern. Noted vulnerabilities within the district include the following:

- The district is bisected by the Hayward Fault and has been classified as a High Risk Seismic Zone (formerly Seismic Zone 4)
- 100 percent of the KFPD is within the Very High Fire Hazard Severity Zone.

28.7 HAZARD RISK RANKING

Table 28-7 presents a local ranking for the Kensington Fire Protection District of all hazards of concern for which Volume 1 of this hazard mitigation plan provides complete risk assessments. This ranking summarizes how hazards vary for this jurisdiction. As described in detail in Volume 1, the ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property and the economy.

28.8 STATUS OF PREVIOUS PLAN ACTIONS

Table 28-8 summarizes the actions that were recommended in the previous version of the hazard mitigation plan and their implementation status at the time this update was prepared.

Table 28-7. Hazard Risk Ranking

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Earthquake	54	High
1	Wildfire	54	High
1	Landslide	54	High
1	Severe weather	54	High
2	Dam and levee failure	0	None
2	Flood	0	None
2	Drought	0	None
2	Sea level rise	0	None
2	Tsunami	0	None

Table 28-8. Status of Previous Plan Actions

Action Item	Completed	Removed; No Longer Feasible	Carried Over to Plan Update	
			Check if Yes	Enter Action #
KFPD 01—Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in the 2011 Hazard Mitigation Plan. <i>Comment: Continual and ongoing</i>	X		X	KFPD-2
KFPD 02—Integrate Local Hazard Mitigation Plan into the Safety Element of the General Plan <i>Comment: When the safety element of the General Plan is updated the HMP will be incorporated. The County is the lead agency for this action and it is not within the jurisdiction of KFD.</i>		X		
KFPD 03—Upgrade the Emergency Operations Center’s (EOC) internal communication system and maintain it in a fully functional state <i>Comment: The Kensington Public Safety Building is the districts EOC</i>	X		X	KFPD-3
KFPD 04—Develop and conduct multi hazard seasonal public awareness program to include exercises <i>Comment: Need to be completed annually</i>	X		X	KFPD-4
KFPD 05—Conduct a mass care and shelter Drill which involve; district, city, county, CERTs and NGOs <i>Comment: Need to be completed annually</i>	X		X	KFPD-5
KFPD 06—Enhance/Improve District Code language and enforcement including: District Fire Codes to Increase Compliance with SB 1369 Defensible Space and Other Fire Safe Requirements within the City. <i>Comment: Revised during code cycles</i>	X		X	KFPD-6
KFPD 07—Improve, expand and develop new programs that increase awareness of and reduce risk to wildfires including: Support Diablo Fire Safe Council & Fire Dept. Chipper Program <i>Comment: Ongoing</i>	X		X	KFPD-7
KFPD 08—Ensure that government-owned facilities are subject to the same or more stringent regulations as imposed on privately-owned development <i>Comment: The Fire Station needs to be replaced</i>	X		X	KFPD-8
KFPD 09—Prior to acquisition of property to be used as a critical facility, conduct a study to ensure the absence of significant hazards <i>Comment: When property is bought or acquired it is done</i>	X		X	KFPD-9

Action Item	Completed	Removed; No Longer Feasible	Carried Over to Plan Update	
			Check if Yes	Enter Action #
KFPD 10—Establish a framework and process for pre-event planning for post-event recovery that specifies roles, priorities, and responsibilities for various departments within local government organization, and that outlines a structure and process for policy-making involving elected and appointed advisory committees <i>Comment: In the Emergency Operations Plan (EOP)</i>	X		X	KFPD-10
KFPD 11—Establish a goal for the resumption of local government services that may vary from function to function <i>Comment: In the Emergency Operations Plan (EOP)</i>	X		X	KFPD-11
KFPD 12—Maintain and update as necessary the local government’s Standardized Emergency Management System Plan <i>Comment: All new employees are trained</i>	X		X	KFPD-12
KFPD 13—Purchase command vehicles for use as mobile command/EOC vehicles if current vehicles are unsuitable or inadequate <i>Comment: Equipment must be replaced after it reaches the end of its service Life</i>	X		X	KFPD-13
KFPD 14—Continue to participate not only in general mutual-aid agreements, but also in agreements with adjoining jurisdictions for cooperative response to all hazards and disasters <i>Comment: Mutual aid has expanded to the City of Berkeley</i>	X		X	KFPD-14
KFPD 15—Develop a business continuity plan that includes backup storage of vital records, such as essential medical records and financial information <i>Comment: Ongoing as demand increase and equipment wears out</i>	X		X	KFPD-15
KFPD 16—Increase efforts to reduce hazards in existing development in Very High Fire Hazard Fire Severity Zones (VHFHSZ) through improving engineering design and vegetation management standards for mitigation, appropriate code enforcement and public education on defensible space mitigation strategies. <i>Comment: Annual inspections of all properties for fire hazards</i>	X		X	KFPD-16
KFPD 17—Require new homes in Wildland-Urban-Interface and VHFHSZ threatened communities to be constructed of fire resistant building materials to increase structural survivability and reduce ignitability <i>Comment: All new homes in the district are required to be built in accordance With the CBC chapter 7a</i>	X		X	KFPD-17
KFPD 18—Ensure new development provides required improvements to the storm drainage system necessary to accommodate increased flows from the development <i>Comment: This action is routinely conducted by CCC PW</i>	X			
KFPD 19—Support County-wide initiatives identified in the 2011 Hazard Mitigation Plan. <i>Comment: KFPD supported the County-wide initiatives identified in the 2011 plan and will continue to support those in the updated plan.</i>	X			
KFPD 20- Retrofit or replace the existing fire station <i>Comment: The existing fire police station is not built to current standards.</i>			X	KFPD-18

28.9 HAZARD MITIGATION ACTION PLAN AND EVALUATION OF RECOMMENDED ACTIONS

Table 28-9 lists the actions that make up the Kensington Fire Protection District hazard mitigation action plan. Table 28-10 identifies the priority for each action. Table 28-11 summarizes the mitigation actions by hazard of concern and mitigation type.

28.10 REVIEW AND INCORPORATION OF RESOURCES FOR THIS ANNEX

The following technical reports, plans, and regulatory mechanisms were reviewed to provide information for this annex.

- **Community Wildfire Protection Plan**—The Community Wildfire Plan was used to evaluate wildfire risks and develop mitigation plans
- **Kensington Emergency Operations Plan**—The Emergency Operations Plan was used identify emergency response and recovery needs
- **Hazard Mitigation Plan Annex Development Tool-kit**—The tool-kit was used to support the development of this annex including past hazard events, noted vulnerabilities, risk ranking and action development.

Table 28-9. Hazard Mitigation Action Plan Matrix

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Responsible Agency ^a	Estimated Cost	Sources of Funding	Timeline
KFPD-1 —Where appropriate, support retrofitting or relocation of structures in high hazard areas, prioritizing structures that have experienced repetitive losses.						
Existing	All Hazards	1, 4, 7, 9, 12, 14, 15, 17	KFPD	High	HMGP, PDM, FMA	Short-term
KFPD-2 —Actively participate in the plan maintenance protocols outlined in Volume 1 of this hazard mitigation plan.						
New and Existing	All Hazards	3, 8, 16	KFPD	Low	Staff Time, General Funds	Short-term
KFPD-3 —Upgrade the Emergency Operations Center's (EOC) internal communication system and maintain it in a fully functional state						
Existing	All Hazards	1, 2	KFPD	Medium	Staff time General Funds HMGP, PDM, EMPG	Long-term
KFPD-4 —Develop and conduct multi hazard seasonal public awareness program to include exercises						
N/A	All Hazards	3, 16	KFPD	Low	Staff Time General Funds	Ongoing
KFPD-5 —Conduct a mass care and shelter Drill which involve; district, city, county, CERTs and NGOs						
N/A	All Hazards	3, 16	KFPD	Low	Staff Time General Funds	Ongoing
KFPD-6 —Enhance/Improve District Code language and enforcement including: District Fire Codes to Increase Compliance with SB 1369 Defensible Space and Other Fire Safe Requirements within the District						
New and Existing	Wildfire	5, 6	KFPD	Low	Staff Time General Funds	Ongoing
KFPD-7 —Improve, expand and develop new programs that increase awareness of and reduce risk to wildfires including: Support Diablo Fire Safe Council & Fire Dept. Chipper Program						
N/A	Wildfire	2, 17	KFPD	Medium	Staff Time General Funds HMGP, PDM	Ongoing

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Responsible Agency ^a	Estimated Cost	Sources of Funding	Timeline
KFPD-8 —Ensure that government-owned facilities are subject to the same or more stringent regulations as imposed on privately-owned development						
New and Existing	All Hazards	1, 2, 6	KFPD	High	Staff Time General Funds	Ongoing
KFPD-9 —Prior to acquisition of property to be used as a critical facility, conduct a study to ensure the absence of significant hazards						
New	All Hazards	1, 2, 6	KFPD	High	Staff Time General Funds HMGP, PDM, FMA	Ongoing
KFPD-10 —Establish a framework and process for pre-event planning for post-event recovery that specifies roles, priorities, and responsibilities for various departments within local government organization, and that outlines a structure and process for policy-making involving elected and appointed advisory committees						
N/A	All hazards	2, 3	KFPD	Low	Staff Time General Fund	Ongoing
KFPD-11 —Establish a goal for the resumption of local government services that may vary from function to function						
Existing	All Hazards	2, 3	KFPD	Low	Staff Time General Fund	Ongoing
KFPD-12 —Maintain and update as necessary the local government’s Standardized Emergency Management System Plan						
Existing	All Hazards	2, 3	KFPD	Low	Staff time General Funds	Ongoing
KFPD-13 —Purchase command vehicles for use as mobile command/EOC vehicles if current vehicles are unsuitable or inadequate						
New	All Hazards	1, 2	KFPD	High	Staff Time General Funds, EMPG	Ongoing
KFPD-14 —Continue to participate not only in general mutual-aid agreements, but also in agreements with adjoining jurisdictions for cooperative response to all hazards and disasters						
N/A	All Hazards	2, 16	KFPD	Low	Staff Time General Fund	Ongoing
KFPD-15 —Develop a business continuity plan that includes backup storage of vital records, such as essential medical records and financial information						
Existing	All Hazards	1, 2	KFPD	Medium	Staff Time General Fund HMGP	Ongoing
KFPD-16 —Increase efforts to reduce hazards in existing development in Very High Fire Hazard Fire Severity Zones (VHFHSZ) through improving engineering design and vegetation management standards for mitigation, appropriate code enforcement and public education on defensible space mitigation strategies.						
New and Existing	Wildfire	3, 5	KFPD	Medium	Staff Time General Fund	Ongoing
KFPD-17 —Require new homes in Wildland-Urban-Interface and VHFHSZ threatened communities to be constructed of fire resistant building materials to increase structural survivability and reduce ignitability						
New	Wildfire	3, 5	KFPD	Low	Staff Time General fund	Ongoing
KFPD-18 —Retrofit or replace the existing fire station						
Existing	All Hazards	1, 2, 15	KFPD	High	Staff Time General Fund HMGP, PDM, FMA	Short-term
KFPD-19 —Upgrade, replace or add new fire main into VHFHSZ						
New and Existing	Wildfire, Earthquake	1, 2, 15	KFPD	High	Staff Time General Fund HMGP, PDM	Ongoing

a. Where multiple responsible agencies are listed, an asterisk (*) identifies the lead agency.

Table 28-10. Mitigation Action Priority

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/ Budgets?	Implementation Priority ^a	Grant Pursuit Priority ^a
KFPD-1	8	High	High	Yes	Yes	No	Medium	High
KFPD-2	3	Low	Low	Yes	No	Yes	High	Low
KFPD-3	2	High	High	Yes	Yes	No	Medium	High
KFPD-4	2	High	Low	Yes	No	Yes	High	Low
KFPD-5	2	Low	Low	Yes	No	Yes	High	Low
KFPD-6	2	Medium	Low	Yes	No	Yes	High	Low
KFPD-7	2	Low	Low	Yes	Yes	No	Medium	Medium
KFPD-8	3	Medium	Low	Yes	No	No	Medium	Low
KFPD-9	3	Medium	High	No	Yes	No	Medium	High
KFPD-10	2	High	Low	Yes	No	Yes	High	Low
KFPD-11	2	High	Low	Yes	No	Yes	High	Low
KFPD-12	2	Low	Low	Yes	No	Yes	High	Low
KFPD-13	2	Low	High	No	Yes	No	Medium	Medium
KFPD-14	2	High	Low	Yes	No	Yes	High	Low
KFPD-15	2	Medium	Low	Yes	Yes	Yes	High	Medium
KFPD-16	2	High	Low	Yes	No	Yes	High	Low
KFPD-17	2	High	Low	Yes	No	Yes	High	Low
KFPD-18	3	High	High	Yes	Yes	No	Medium	High
KFPD-19	3	High	High	Yes	Yes	No	Medium	Medium

a. See the introduction to this volume for explanation of priorities.

Table 28-11. Analysis of Mitigation Actions

Hazard Type	Action Addressing Hazard, by Mitigation Type ^a							
	Prevention	Property Protection	Public Education & Awareness	Natural Resource Protection	Emergency Services	Structural Projects	Climate Resilient	Community Capacity Building
All hazards	1, 2, 7, 9, 11, 12, 13	13	1, 2, 4, 5, 11, 12, 13, 14, 15	13, 14	1, 2, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15	15	1, 15	2, 4, 5
Dam and Levee Failure								
Drought		1, 15		1, 2, , 13				
Earthquake	4	1, 2, 4, 11, 12, 14, 15	5	1, 2, 3, 4, 13		2		
Flood	4	1, 2, 4, 12, 14, 15		1, 2, 3, 4, 12, 13		1, 2		
Landslide	4, 5	1, 2, 4, 5, 12, 14, 15	3	1, 2, 3, 12, 13	5	1, 2		
Severe weather		1, 2, 3, 4, 5, 12, 14	3	1, 2, 3, 4, 12	3	1, 2		
Tsunami								
Wildfire	3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 17, 18, 19	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19	5, 6, 7, 10, 16, 17,	1, 2, 5, 4, 6, 7, 10, 12, 16, 17, 18, 19	5, 6, 7, 16, 17, 18, 19	1, 2, 6, 7, 8, 9, 16, 17, 18, 19	16, 17, 18, 19	

a. See the introduction to this volume for explanation of mitigation types.