



# 2024 Hazard Mitigation Plan

Contra Costa County,  
California



Rodeo-Hercules  
Fire Protection  
District Annex

**DRAFT**



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## 1. INTRODUCTION

This Annex details the hazard mitigation elements specific to Rodeo-Hercules Fire Protection District, a participating jurisdiction to the 2024 Contra Costa County Hazard Mitigation Plan update. This Annex is not intended to be a standalone document but supplements the information contained in **Volume 1 (Planning Area-wide Elements)**. Therefore, all sections of **Volume 1** including the planning process, hazard identification and risk assessment, mitigation strategy, and plan maintenance apply to and were met by the District. This Annex provides additional information specific to the District, with a focus on providing additional details on the hazard risk assessment and mitigation strategy (i.e., mitigation actions) for this community.

## 2. LOCAL PLANNING TEAM

The Rodeo-Hercules Fire Protection District Local Planning Team was comprised of the members listed on **Table 1**.

**Table 1. Rodeo-Hercules Fire Protection District Local Planning Team Members**

Name	Title	Department
Rebecca Ramirez	Fire Chief	Rodeo-Hercules Fire Protection District
Delano Doss	Board Member	Rodeo-Hercules Fire Protection District (Board of Directors)
Marie Bowman	Board Member	Rodeo-Hercules Fire Protection District (Board of Directors)
Robyn Mikel	Board Member	Rodeo-Hercules Fire Protection District (Board of Directors)
Steve Hill	Board Member	Rodeo-Hercules Fire Protection District (Board of Directors)
Charles Davidson	Board Member	Rodeo-Hercules Fire Protection District (Board of Directors)
Tammy Thomas	Administrative Assistant	Rodeo-Hercules Fire Protection District
Darren Johnson	Battalion Chief	Rodeo-Hercules Fire Protection District

## 3. JURISDICTION PROFILE

The Rodeo-Hercules Fire Protection District (RHFPD) is located on the shores of San Pablo Bay, 30 minutes northeast of San Francisco. The District provides fire protection, and emergency medical aid to the unincorporated area of Rodeo and the City of Hercules. The District’s staff consists of up to 23 active personnel. RHFPD is an independent fire district serving an area of approximately 32 square miles. The District contains a major oil refinery (Phillips 66), numerous underground fuel pipelines, two (2) major rail lines and the Interstate 80 (I-80) Freeway.

RHFPD is an all-hazards fire district providing traditional structural fire protection, wildland firefighting, Advance Life Support (ALS) level medical first response (MFR), technical rescue (i.e., auto extrication, high-angle and low-angle rescue, water rescue, and hazardous materials response). The District deploys its apparatus and personnel from two (2) fire stations and has an Insurance Services Office (ISO) Public Protection Classification (PPC) Class 2 rating. The District also provides code enforcement, fire inspections, plan reviews, fire cause investigations, and public education and prevention programs.



### 3.1. Population

RHFPD provides service to a total population of approximately 35,573. The area includes the City of Hercules with a population 25,920 as of July 1, 2022,<sup>1</sup> and the Town of Rodeo in the unincorporated area of Contra Costa County with a population of 9,653 as of April 1, 2020.<sup>2</sup>

#### 3.1.1. Underserved Population

The 2023 California State Hazard Mitigation Plan identifies the Centers for Disease Control and Prevention (CDC) Social Vulnerability Index (SVI) as the most appropriate and authoritative dataset to identify areas where efforts can be prioritized to ensure equitable outcomes from mitigation planning and actions.

CDC’s SVI combines 16 social factors, within four (4) themes (i.e., socioeconomic status, household characteristics, racial and ethnic minority status, and housing type and transportation), to identify areas of social vulnerability. **Table 2** outlines the SVI information for RHFPD.

**Note:** ArcGIS mapping analysis was performed utilizing Census Tract data by overlaying Census Tracts with the Rodeo-Hercules Fire Protection District planning area boundary. The information outlined in this section includes data from the Census Tracts that intersect the jurisdiction.

**Table 2. Social Vulnerability Index (2020)**

Theme	Social Factors	Percent
Socioeconomic Status	People below 150% poverty estimate	16.8%
	Unemployed <i>(Civilian 16 years old and older)</i>	4.2%
	Housing Cost Burden	11.3%
	No High School Diploma	9.3%
	No Health Insurance	6.2%
Household Characteristics	65 years old and older	26.3%
	17 years and younger	28.1%
	Civilian with a Disability	14.7%
	Single-Parent Household	3.1%
	English Language Proficiency	6.0%
Racial and Ethnic Minority Status	<ul style="list-style-type: none"> <li>• Hispanic or Latino (of any race)</li> <li>• Black or African American</li> <li>• Asian</li> <li>• American Indian or Alaska Native</li> <li>• Native Hawaiian or Pacific Islander</li> <li>• Two or More Races</li> <li>• Other Races</li> </ul>	96.2%

<sup>1</sup> United States Census Bureau. (2022). Quick Facts: City of Hercules. Retrieved from <https://www.census.gov/quickfacts/fact/table/herculescitycalifornia/>.

<sup>2</sup> United States Census Bureau. (2020). Quick Facts: Town of Rodeo. Retrieved from <https://www.census.gov/quickfacts/fact/table/rodeocdpcalifornia/>.



Theme	Social Factors	Percent
Housing Type and Transportation	Multi-Unit Structures	3.0%
	Mobile Homes	0.1%
	Crowding	1.8%
	No Vehicle	1.7%
	Group Quarters	0.5%

### 3.2. Brief History

In the early 1920s, Frank Del Monte became the first Fire Chief for the Rodeo Volunteer Fire Department. He was succeeded by Sam Kramer and later by Tom Lewis, whose force possessed, in addition to buckets, a hand-drawn hose cart.

By 1927, the need for an official, larger firehouse became apparent, and the whole community pitched in to make it possible. Lots were purchased and the notes guaranteed by community members. In April of 1927, the original brick firehouse on Third Street held official dedication ceremonies.

The firehouse was built 10 years later, the importance of the growing Department was well recognized, and in April 1937, the official Rodeo Fire District was formed in Contra Costa County, with a Board of Commissioners to govern it. The first Commissioners were James Guthrie, Jerry Mahonie, and S.J. Claeys.

Although Rodeo had a full-time paid firefighter on duty for some time, in 1946, the Board of Commissioners approved an order to have a firefighter on duty at all times to provide added protection to the community. With the safety of the community always in mind, the Department continually added to its apparatus and firefighting equipment. In 1949, the Department joined with other fire districts in Contra Costa County in a three-way radio communication system.

### 3.3. Governing Body Format

The residents of the RHFPD elect five (5) board members from the community as their governing body. Board members are all elected at large and must reside within the District’s boundaries during their entire term. All elections are nonpartisan. Terms are four (4) years in length, and Directors have no term limits.

The Board of Directors selects and appoints the Fire Chief who serves as the chief executive officer of the District. The Fire Chief directs and coordinates the various functions and divisions within the organization, administers the budget, and makes reports and recommendations to the Board. The Fire Chief is an at-will position (under contract) with authority to hire, fire, promote, and transfer all district employees.

## 4. DEVELOPMENT TRENDS

RHFPD currently maintains two (2) fire stations. Fire Station 75 was originally built in 1937 and remodeled in 1991. Station 76 was built in 1991. Combined, the two (2) stations average 57 years of age.

The maximum fire station staffing capacity of each facility is limited to either three (3) or four (4) personnel. The District has eight (8) apparatus bays and the overall condition of both of its fire stations are rated as “Good.” Both stations have sprinkler systems installed.



RHFPD cannot meet the increased call load in the communities served with existing personnel and equipment levels without relying on mutual aid agreements and automatic aid agencies.

## 5. CAPABILITY ASSESSMENT

Federal regulations require hazard mitigation plans to identify goals for reducing long-term vulnerabilities to the identified hazards in the planning area (Section 201.6(c)(3)(i)). A critical step in the development of specific hazard mitigation actions and projects is assessing existing authorities, policies, programs, and resources and capabilities to use or modify local tools to reduce losses and vulnerability from profiled hazards.

A capability assessment was conducted for RHFPD and participating jurisdictions' authorities, policies, programs, and resources. Goals and mitigation actions were developed using input from this assessment.

The Local Planning Team assessed the District's capabilities that can contribute to the reduction of long-term vulnerabilities to hazards. The capabilities include the following categories:

- Planning and Regulatory Capabilities
- Administrative and Technical Capabilities
- Financial Capabilities
- Education and Outreach Capabilities

Additionally, ways to expand on and improve these existing policies and programs to integrate hazard mitigation into the day-to-day activities and programs of the District were considered.

### 5.1. Planning and Regulatory Capabilities

These include local ordinances, policies, and laws to manage growth and development (e.g., land use plans, capital improvement plans, transportation plans, emergency preparedness and response plans, building codes, and zoning ordinances). The description section of each Planning and Regulatory Capability includes a paragraph on expansion, implementation, and improvement. **Table 3** contains a list of legal and regulatory capabilities. The description section of each Planning and Regulatory Capability includes a paragraph on expansion, implementation, and improvement.

**Table 3. Planning and Regulatory Capabilities**

<b>The Fire Protection District Law (Health &amp; Safety Code §13800, et seq.)</b>			
The law is the source of statutory authority for more than 380 fire protection districts and serves as a guiding document for governance and allows the district to be formed to plan, mitigate, and provide emergency services to protect its citizens and reduce the impacts of disasters.			
<b>Expansion, Implementation, and Improvement:</b> The law will continually be evaluated to address emerging needs to ensure the safety and protection of its residents.			
<b>Updated</b>	1987	<b>Hazards Addressed</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire



**District Resolutions and Ordinances**

In compliance with pertinent laws and statutory requirements promulgate and enact local resolutions and/or ordinance as a municipal legislative enactment for the betterment and benefit of the Fire District. The District's resolutions and ordinances can be accessed via the following link: <https://www.rhfd.org/resolutions-ordinances>.

**Expansion, Implementation, and Improvement:** The resolutions and ordinances will be reviewed based on developing trends in identified hazards and mitigation measures that can make them more effective at preventing losses.

<b>Updated</b>	2023	<b>Hazards Addressed</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire
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**Strategic Plan**

The Rodeo-Hercules Fire Protection District (RHFPD) Strategic Plan was an intentional process by which RHFPD surveyed the industry trends; evidence-based practices; the customer's needs and wants; the current and future available resources, and the current and future capabilities of the District to determine performance gaps. Once these gap were identified, the agency determined organizational objectives, supporting goals and critical tasks necessary to close or eliminate the performance gaps.

**Expansion, Implementation, and Improvement:** The Strategic Plan will be reviewed based on developing trends in identified hazards and mitigation measures that can make them more effective at preventing losses.

<b>Updated</b>	2024	<b>Hazards Addressed</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire
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**California Fire Code and Local Amendments**

The District adopted the 2022 California Fire Code (California Code of Regulations, Title 24, Part, 9 [based on the 2021 International Fire Code published by the International Code Council] The California Fire Code (CFC) contains regulations consistent with nationally recognized and accepted practices for safeguarding life and property from fire and explosion, dangerous conditions arising from the storage, handling, and use of hazardous materials and devices, and hazardous conditions in the use or occupancy of buildings or premises.

To ensure new construction and tenant improvements meet or exceed local standards to secure life safety related to building construction features and systems used to prevent ignition and fire spread as well as facilitate occupant escape.

**Expansion, Implementation, and Improvement:** The Fire Code must be modified and updated to reflect changes in development.

<b>Updated</b>	2022	<b>Hazards Addressed</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire
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**County Climate Action Plan**

The Contra Costa County Climate Action Plan (CAP), adopted in December 2015, is the County’s strategic approach to reduce greenhouse gas (GHG) emissions from sources throughout the unincorporated area. The CAP reflects the County’s programs and actions to decrease energy use, improve energy efficiency, develop renewable energy, reduce vehicle miles traveled, increase multi-modal travel options, expand green infrastructure, reduce waste, and improve the efficiency of government operations. The lead department is Contra Costa County Department of Conservation and Development.

**Expansion, Implementation, and Improvement:** The CAP will be updated in parallel with the General Plan. While the General Plan will provide the long-term resiliency framework of goals and policies, the CAP will provide strategic implementation programs to show how the County will reduce GHG emissions in support of the State’s adopted reduction targets for 2030 and 2050, reducing GHG emissions 40% below 1990 levels by 2030, with consideration of the State’s long term goal to reduce GHG emissions to 80% below 1990 levels by 2050.

<b>Updated</b>	2015 ( <i>Update is in progress</i> )	<b>Hazards Addressed</b>	Climate Change, Drought, Flood, Sea Level Rise, Severe Weather, Wildfire
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**Contra Costa Hazardous Materials Plan / Hazardous Material Business Plan**

Addresses the storage, use, and emergency planning for hazardous materials and extremely hazardous substances in the community and businesses. The lead agency is Contra Costa Health Services, Hazardous Materials Program Office, Contra Costa County Fire Protection District.

**Expansion, Implementation, and Improvement:** This Hazard Mitigation Plan will support mitigation measures compatible with the County Hazardous Materials Plan to reduce potential hazardous materials releases.

<b>Updated</b>	2009	<b>Hazards Addressed</b>	Hazardous Materials Incidents
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**City of Hercules Emergency Operations Plan**

The Emergency Operations Plan (EOP) outlines how the City, its government, stakeholder agencies, community-based organizations (CBO), business community, and residents – coordinate their response to major emergencies and disasters. The EOP identifies operational strategies and plans for managing inherently complex and potentially catastrophic events. This Plan is regularly updated by staff and approved by the City Council.

**Expansion, Implementation, and Improvement:** This Hazard Mitigation Plan will be used as an essential tool to update the City EOP. California Office of Emergency Services (Cal OES) requires that EOPs describe applicable hazards as part of the Plan. The latest Hazard Mitigation Plan hazards descriptions will be included. Mitigation actions that are preparedness and response in nature will be analyzed for applicability for inclusion in the description of EOP processes and procedures.

<b>Updated</b>	2024	<b>Hazards Addressed</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire
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**Alameda and Contra Costa County Regional Wildfire Prevention Plan**

The Contra Costa Resource Conservation District (CCRCD) and the Alameda City Resource Conservation District (ACRCD) worked jointly with funding from the Coastal Conservancy to develop a Regional Priority Plan (RPP) for Contra Costa and Alameda counties. The goal of the RPP process was to identify regional natural resource concerns that could be exacerbated by catastrophic wildfire and develop projects or other methods to remedy those issues ahead of the next wildfire event. The planning process started in November 2020 and completed in September 2022. The lead department is Contra Costa County Fire Protection District, in collaboration with Rodeo-Hercules Fire Protection District.

**Expansion, Implementation, and Improvement:** This Hazard Mitigation Plan and Regional Wildfire Prevention Plan should be aligned where mitigation actions in this Hazard Mitigation Plan support the goals of the Regional Wildfire Prevention Plan. The wildfire analysis in this Hazard Mitigation Plan can inform updates and revisions to the Wildfire Prevention Plan.

<b>Updated</b>	2022	<b>Hazards Addressed</b>	Wildfire
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**Contra Costa County Community Wildfire Protection Plan**

The Contra Costa County Wildfire Protection Plan (CWPP), updated in 2019, provides an analysis of wildfire hazards and risk in the wildland urban interface (WUI) in Contra Costa County. The Plan follows the standards for CWPPs established by the Federal Healthy Forest Restoration Act. The lead department is Contra Costa County Fire Protection District, in collaboration with Rodeo-Hercules Fire Protection District.

**Expansion, Implementation, and Improvement:** This Hazard Mitigation Plan and County Community Wildfire Protection Plan should be aligned where mitigation actions support the goals of the CWPP. The wildfire analysis in this Hazard Mitigation Plan can inform updates and revisions to the CWPP.

<b>Updated</b>	2019	<b>Hazards Addressed</b>	Wildfire
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**5.2. Administrative and Technical Capabilities**

The administrative and technical capabilities include community (i.e., public and private) staff and their skills and tools, which can be used for mitigation planning and implementation. This capability includes engineers, planners, emergency managers, GIS analysts, building inspectors, grant writers, and floodplain managers. Small communities may rely on other government entities, such as counties or special districts, for resources. These capabilities may be used to support mitigation activities. **Table 4** lists administrative and technical capabilities.

**Table 4. Administrative and Technical Capabilities**

**Information Technology and Geographic Information System**

Information technology (IT) and Geographic Information Systems (GIS) provide the technical resources and support necessary to operate all of the applications relating to the District's information resources; respond to the service needs to all departments based on Districtwide priorities as established by the Fire Chief; responsible for the training and effective use of all District technology computer hardware, software, and peripherals; provide internal coordination of technology efforts Districtwide including substantial interface with all technology vendors to assure cost-effective, secure, and reliable technologies compatible with the long-range needs of the District; provide high-quality spatial data.

**Expansion and Improvement:** Acquire and conduct training for GIS technicians on the latest versions of ArcGIS.

<b>Department</b>	IT contractor(s)/consultant(s), Rodeo-Hercules Fire Protection District.
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Risk Management	
<p>Risk Management provides services to assist the District in managing their risk of injury to employees, District property, and the public at large; purchase insurance for District and act in an advisory capacity with respect to workers' compensation, public liability, District property, and District contracts.</p> <p><b>Expansion and Improvement:</b> Continue to have the Risk Manager provide input to support the analysis of potential losses due to hazards. Update this Hazard Mitigation Plan based on current insurance values.</p>	
<b>Department</b>	Fire Service Risk Management (through Contra Costa County), Rodeo-Hercules Fire Protection District
District Counsel	
<p>Contracted Legal Services to ensure laws, ordinances, statutes, and other governing best practices are followed. To limit legal exposure and advise the District related to possible litigation.</p> <p><b>Expansion and Improvement:</b> Continue to have the District Counsel provide input to support the analysis of potential losses due to hazards.</p>	
<b>Department</b>	Myers Nave (Legal Consultant)
Contra Costa County Emergency Medical Services Authority	
<p>In Contra Costa County Health and Human Services Emergency Medical Services, emergency medical response is provided by a network of agencies of which Rodeo-Hercules Fire Protection District is a part. The EMS Division of Contra Costa Health works with these partners to ensure everyone involved in an emergency response is specially trained and properly equipped. The Rodeo-Hercules Fire Protection District maintains an active Interagency Agreement with Contra Costa County to provide pre-hospital emergency medical first responder services within the District's primary service area.</p> <p><b>Expansion and Improvement:</b> Continue to work with the LEMSA to improve EMS service to the community, improve outcomes, and ensure first responders receive the support and equipment needed to provide the highest level of EMS. Update the interagency agreement as needed.</p>	
<b>Department</b>	Contra Costa County Health and Human Services
Grant Writing and Advocacy Services	
<p>Provide grant research, writing, legislative advocacy, and post award management for the District.</p> <p><b>Expansion and Improvement:</b> Increase staff and funding streams to support all grant programs.</p>	
<b>Department</b>	Townsend (Public Affairs Consultant), Rodeo-Hercules Fire Protection District Board and Staff
Contracted Emergency Medical Services Oversight and Continuous Quality Improvement	
<p>To provide high quality basic life support (BLS) and advanced life support (ALS) emergency medical services (EMS) to District citizens and ensure competent, well-trained personnel, continuing quality improvement and training must be delivered on a regular and reoccurring basis.</p> <p>Additionally, the District must have an exposure control program which requires an Infectious Control Officer to ensure the District is compliant with all laws, regulations, mandates and best practices (National Fire Protection Agency standard on Fire Department Infection Control, Bloodborne Pathogens standard 29 CFR 1910.1030) related to bloodborne pathogens and infectious disease control including training, policies, records management, workplace practices, post exposure management including on call response and reporting.</p> <p><b>Expansion and Improvement:</b> Having internal personnel to assist and/or run the Program as well as updated equipment as well as provide reliable state of the art equipment to limit loss..</p>	
<b>Department</b>	Greg Kennedy (EMS Consultant), Rodeo-Hercules Fire Protection District



Consultant Services to Provide Fire Prevention Services	
<p>In order to become more consistent with inspections and mandated reporting, increase capacity and resilience, and better serve the community, Rodeo-Hercules Fire Protection District contracts with a fire prevention services through an outsourced contract for service. Mandated life safety inspections and other community risk reduction and fire prevention services.</p> <p><b>Expansion and Improvement:</b> Hire additional personnel, consultants, or contractors to support fire prevention mitigation.</p>	
<b>Department</b>	CSG (Prevention Consultant), Rodeo-Hercules Fire Protection District

### 5.3. Financial Resources

**Table 5** contains a list of financial capabilities available to the District. These financial resources may be used to support mitigation activities based on procedures for each resource.

**Table 5. Financial Resources**

Special Assessment and Measure H	
<p>Revenue from Measure H and Special Assessment are used for program operations and specific projects. The revenue consists of fees, property tax, sales tax, transient occupancy tax, and franchise tax, as applicable, that can be used for general purposes.</p> <p><b>Expansion and Improvement:</b> Hazard mitigation projects may be considered during the annual budgeting process for funding from the Special Assessment and Measure H.</p>	
<b>Administrator</b>	Department Specific Rodeo-Hercules Fire Protect District Administration; Contra Costa County Auditor-Controller's Office
Special Revenue Funds	
<p>The Rodeo Hercules Fire Protection District operates one (1) Special Revenue Fund funded by Measure O which is a parcel tax. Special Revenue Funds are used to account for revenue derived from specific taxes or other revenue sources that are restricted by law or administrative action to be expended for specified purposes.</p> <p><b>Expansion and Improvement:</b> Focus Administered Special Funds on projects that provide mitigation to natural hazards.</p>	
<b>Administrator</b>	Rodeo-Hercules Fire Protect District Administration; Contra Costa County Auditor-Controller's Office
Development Impact Fees	
<p>The Rodeo Hercules Fire Protection District operates two (2) Development Impact Fees funds which are used to account for revenue derived from development projects to adequately defray all or a portion of the cost to mitigate the impacts of development.</p> <p><b>Expansion and Improvement:</b> Focus Development Impact Fees on projects that provide mitigation to natural hazards.</p>	
<b>Administrator</b>	Rodeo-Hercules Fire Protect District Administration; Contra Costa County Auditor-Controller's Office
Prevention Fees	
<p>Consistent with Proposition 218 and the Fire District Law of 1987 allows for fees commensurate with actual costs to deliver services to be reimbursed.</p> <p><b>Expansion and Improvement:</b> Focus Prevention Fees on projects that provide mitigation to natural hazards.</p>	
<b>Administrator</b>	CSG (Prevention Consultant), Rodeo-Hercules Fire Protection District



Community Development Block Grant	
<p>The Community Development Block Grant (CDBG) Program provides funding for eligible senior activities such as in-home care, art classes, counseling, and home-delivered meals. The United States Department of Housing and Urban Development (HUD) also provides Disaster Recovery Assistance in the form of flexible grants to help cities, counties, and states recover from Presidentially Declared Disasters, especially in low income areas, subject to the availability of supplemental appropriations.</p> <p><b>Expansion and Improvement:</b> Where applicable, CDBG should be used to fund mitigation projects that enhance the resiliency of low income and underserved communities.</p>	
<b>Administrator</b>	Rodeo-Hercules Fire Protection District Fire Chief and Staff
Hazard Mitigation Grant Program	
<p>The Hazard Mitigation Grant Program (HMPG) provides support for post-disaster mitigation plans and projects.</p> <p><b>Expansion and Improvement:</b> Train staff on notice of intent (NOI) procedures and track opportunities on the Cal OES mitigation website to initiate applications for grant funding.</p>	
<b>Administrator</b>	Federal Emergency Management Agency, Rodeo-Hercules Fire Protection District Fire Chief and Staff
Building Resilient Infrastructure and Communities	
<p>Building Resilient Infrastructure and Communities (BRIC) provides support for pre-disaster mitigation plans and projects.</p> <p><b>Expansion and Improvement:</b> Train staff on notice of intent (NOI) procedures and track opportunities on the Cal OES mitigation website to initiate applications for grant funding.</p>	
<b>Administrator</b>	Federal Emergency Management Agency, Rodeo-Hercules Fire Protection District Fire Chief and Staff
Flood Mitigation Assistance Grant Program	
<p>The Flood Mitigation Assistance (FMA) Grant Program mitigates structures and infrastructure with repetitive losses.</p> <p><b>Expansion and Improvement:</b> Train staff on notice of intent (NOI) procedures and track opportunities on the California OES mitigation website to initiate applications for grant funding.</p>	
<b>Administrator</b>	Federal Emergency Management Agency, Rodeo-Hercules Fire Protection District Fire Chief and Staff

## 5.4. Education and Outreach Capabilities

**Table 6** lists the District's education and public outreach capabilities. These capabilities include fire safety programs, hazard awareness campaigns, public information, and communications offices. Education and outreach capabilities can be used to inform the public about current and potential mitigation activities.



**Table 6. Education and Outreach Resources**

<b>District Emergency/Disaster Readiness Website</b>	
<a href="https://www.rhfd.org/emergency-alerts-activation-and-resources">https://www.rhfd.org/emergency-alerts-activation-and-resources</a>	
<p>Rodeo Hercules Fire Protection District has educational material on making an emergency plan, stocking supplies, staying informed and getting involved. Information on wildfire preparedness, sandbag, Contra Costa County Community Alerting, Zone Haven FEMA Ready Gov and others. Link to information on earthquake preparedness, heat risk, storm readiness, run hide fight/active shooter, fire home safety (i.e., risk awareness and preparedness information).</p>	
<p><b>Expansion and Improvement:</b> Provide links to the City and County websites. Post material on social media accounts that provide a link to the appropriate FEMA website page.</p>	
<b>Lead Organization</b>	Rodeo-Hercules Fire Protection District, City of Hercules Police Department, Contra Costa County Office of Emergency Services
<b>District Social Media Accounts</b>	
<p><b>Facebook:</b> <a href="https://www.facebook.com/RHFPD">https://www.facebook.com/RHFPD</a>  <b>Instagram:</b> <a href="https://www.instagram.com/rodeoherculesfd/">https://www.instagram.com/rodeoherculesfd/</a></p>	
<p>The District uses its social media accounts to post information to collect input on updating this Hazard Mitigation Plan. These social media accounts can have links to other District webpages that provide details on mitigation projects and activities. They can also provide information and links to County, State and Federal emergency preparedness sites that provide information on individual and family preparedness.</p>	
<p><b>Expansion and Improvement:</b> Develop a comprehensive program to utilize social media to reach out to communities in the District to provide information on mitigation activities. Conduct an annual survey to solicit input. Provide information and conduct the survey in English and Spanish.</p>	
<b>Lead Organization</b>	Rodeo-Hercules Fire Protection District
<b>County Public Safety and Emergency Information</b>	
<p><a href="https://www.contracosta.ca.gov/5435/Public-Safety-Emergency-Info">https://www.contracosta.ca.gov/5435/Public-Safety-Emergency-Info</a></p>	
<p>Provides resources and links for public safety and emergency information in Contra Costa County.</p>	
<p><b>Expansion and Improvement:</b> Provide additional links to other organizations such as FEMA and PG&amp;E.</p>	
<b>Lead Organization</b>	Contra Costa County Office of Emergency Services
<b>County Community Emergency Response Team Coalition</b>	
<p>The Community Emergency Response Team (CERT) Program is a 20-hour all risk, all hazard training offered by the County’s Fire Department. This valuable course is designed to help you protect yourself, your family, your neighbors, and your neighborhood before, during, and after an emergency.</p>	
<p><b>Expansion and Improvement:</b> Develop a District Community Emergency Response Team (CERT) program to provide training that includes earthquake preparedness, wildfire safety, fall prevention for elderly, water safety, evacuation preparedness, and other lifesaving training for the public.</p>	
<b>Lead Organization</b>	Contra Costa County Cities Citizen Corps



**Community Warning System**

The Community Warning System (CWS) can alert residents and businesses within Contra Costa County that are impacted by or are in danger of being impacted by an emergency. The CWS message will include basic information about the incident and what specific protective actions (e.g., shelter in place, lockdown, evacuate, avoid the area) are necessary for life safety and health.

**Expansion and Improvement:** Coordinate community evacuation drills using the CWS to implement the exercise. Conduct post exercise information fairs at evacuation collection points.

<b>Lead Organization</b>	Contra Costa County Office of the Sheriff
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**6. HAZARD MITIGATION PLAN INTEGRATION**

The information on hazards, risk, vulnerability, and mitigation contained in this Hazard Mitigation Plan is based on the best available data at the time of the Plan update. Plan integration consists of the incorporation of hazard mitigation into other relevant planning mechanisms (e.g., general planning and capital improvement 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 collaborative hazard mitigation planning.

**6.1. Existing Plan Integration**

RHFPD did not participate in the previous iteration of the Contra Costa County Hazard Mitigation Plan.

**6.2. Potential Future Integration**

As the Hazard Mitigation Plan is implemented, the District will use information from the Plan as the best available science and data on hazards. The capability assessment presented in Section 5 of this Annex identifies codes, plans, and programs that provide opportunities for integration. The countywide and local action plans developed for this Hazard Mitigation Plan are related to plan integration. The capability assessment identified plans and programs, listed in **Table 7**, that do not currently integrate goals and recommendations of this Plan but provide opportunities to do so in the future.

**Table 7. Potential Future Integration**

Planning Initiative	Description
County General Plan (Environmental Hazard Element)	The Environmental Hazards Element contains an evaluation of natural and human-caused conditions that may pose certain health and safety hazards to life and property in the District, along with a comprehensive program to mitigate those hazards. Inherent in this Element is a determination of “acceptable risk.” This determination is based on defining how safe is safe enough, balancing the severity of the hazard, costs, feasibility of hazard mitigation, and expected benefits. In most cases, the level of acceptable risk is widely shared throughout the State and nation. For example, the standard for protection from flooding is a national standard. Standards for protection of structures from earthquake damage are based on the provisions of the Uniform Building Code. This Element addresses constraints to development from geologic and seismic conditions, noise, wildfire, flooding, and hazardous materials. Portions of this Hazard Mitigation Plan with the associated mapping will be considered for inclusion into the General Plan as an Appendix and referenced in this Element. Also, the update will include assuring compliance with Assembly Bill 2140 and Senate Bill 379.



Planning Initiative	Description
District Strategic Plan	The Strategic Plan was developed with the primary goal of helping RHFPD communicate more effectively to the community in how best they can evaluate and improve the performance of their fire department and plan for the future.. This Plan uses three (3) levels of evaluation; strategic objectives, outcomes, and goals to help the reader understand the relationship between the lower-level goals with the higher-level outcomes.

## 7. SIGNIFICANT HAZARD PAST EVENTS

A complete risk assessment, including past incidents, for each identified hazard of concern can be found in **Volume 1** of this Plan. **Table 8** provides information on significant hazard events that uniquely impacted RHFPD.

**Table 8. Significant Past Events**

Date	Event Type	Description
2006	Landslide	A landslide on Carson Street caused limited damage to two (2) residential structures. No damage assessment estimates are available.
2000	Landslide	A landslide on Carson Street caused limited damage to two (2) residential structures. No damage assessment estimates are available.
1989	Earthquake	A few buildings in the City of Hercules experienced some structural damage as a result of the Loma Prieta Earthquake. Approximately \$25 Million in damages were reported for Contra Costa County.
1983	Flooding	Refugio Creek flooded. No damage assessment estimates are available.

## 8. NATIONAL FLOOD INSURANCE PROGRAM

As a special district, the RHFPD is not eligible to participate in FEMA’s National Flood Insurance Program (NFIP). Further information on Contra Costa County’s NFIP and Community Rating System (CRS) participation is available on **Volume 1** of this Plan.

## 9. HAZARD VULNERABILITY AND IMPACT ASSESSMENT

Exposure and vulnerability to certain hazards affect the entire County and others are geographically defined. Although the entire County may be vulnerable to these hazards, their impacts may vary based on existing community conditions (e.g., underserved, or functional access needs populations may be more susceptible based on certain conditions, vulnerabilities, or needs).

A complete risk assessment for each identified hazard of concern is in **Volume 1** of this Plan. **Table 9** provides information on a several key vulnerabilities for RHFPD.

**Table 9. Hazard Vulnerability and Impact Assessment**

Hazards	Vulnerability and Impact
<b>Landslides</b>	Rodeo-Hercules Fire Station (1680 Refugio Valley Road) is located in a high landslide risk area. Numerous shallow landslides of various sizes are present in Hercules, particularly in the southeastern part of the City of Hercules.



Hazards	Vulnerability and Impact
Wildfire	Homes within one (1) mile of a natural area are considered part of an ember zone, where wind driven embers can be a risk to property. Most of the eastern portion of the City of Hercules is located within the ember zone with large areas of the City directly adjacent to high wildfire severity zones.

## 9.1. FEMA National Risk Index

In the National Risk Index (NRI), risk is defined as the potential for negative impacts as a result of a natural hazard. The Risk Index is based on three (3) components – a natural hazards component (Expected Annual Loss), a consequence enhancing component (Social Vulnerability), and a consequence reduction component (Community Resilience). Using these components, the composite and hazard type Risk Index values are calculated for each community (county and Census Tract). Risk Index values form an absolute basis for measuring Risk within the NRI and are used to generate Risk Index percentiles and ratings across communities.<sup>3</sup> **Table 10** illustrates the Risk Index rating and score for RHFPD.

**Note:** ArcGIS mapping analysis was performed utilizing Census Tract data by overlaying Census Tracts with the Rodeo-Hercules Fire Protection District planning area boundary. The information outlined in this section includes data from the Census Tracts that intersect the jurisdiction.

**Table 10. Risk Index Score (FEMA National Risk Index)**

Jurisdiction	Rating	Score
Rodeo-Hercules Fire Protection District	Very High	84.3

*Risk Index scores are calculated using an equation that combines scores for Expected Annual Loss due to natural hazards, Social Vulnerability and Community Resilience (Expected Annual Loss x Social Vulnerability / Community Resilience = Risk Index).*

### 9.1.1. Expected Annual Loss

The FEMA NRI Expected Annual Loss (EAL), the natural hazards component of the NRI, represents the average economic loss in dollars resulting from natural hazards each year. It is calculated for each hazard type and quantifies loss for relevant consequence types – buildings, people, and agriculture. The EAL score and rating represent a community's relative level of expected losses each year when compared to all other communities at the same level. Since the score is associated to a community's risk; the higher EAL score results in a higher Risk Index score.<sup>4</sup> **Table 11** illustrates each hazard EAL for RHFPD.

**Table 11. Expected Annual Loss (FEMA National Risk Index)**

Hazard	Population Equivalence	Building Value	Agriculture Value	Total Expected Annual Loss	Expected Annual Loss Score	Rating
Coastal Flooding (Sea Level Rise)	\$6	\$830	n/a	\$836	32.2	Relatively Low
Drought	n/a	n/a	\$50	\$50	15.6	Very Low

<sup>3</sup> Federal Emergency Management Agency. (2023). Determining Risk. Retrieved from <https://hazards.fema.gov/nri/determining-risk>.

<sup>4</sup> Federal Emergency Management Agency. (2023). Expected Annual Loss. Retrieved from <https://hazards.fema.gov/nri/expected-annual-loss>.





Hazard	Population Equivalence	Building Value	Agriculture Value	Total Expected Annual Loss	Expected Annual Loss Score	Rating
Earthquake	\$563,541	\$1.3 Million	n/a	\$1.9 Million	95.9	Very High
Hail (Severe Weather)	\$29	\$101	\$0	\$130	19.4	Very Low
Heat Wave (Severe Weather)	\$12,235	\$2	\$0	\$12,237	57.5	Relatively Moderate
Landslide	\$373	\$2,960	n/a	\$3,334	67.3	Relatively High
Riverine Flooding (Flood)	\$18,183	\$13,463	\$3	\$31,649	52.6	Relatively Moderate
Strong Winds (Severe Weather)	\$60	\$18	\$0	\$78	5.1	Very Low
Tornado (Severe Weather)	\$1,138	\$2,427	\$0	\$3,565	10.6	Very Low
Tsunami	\$0	\$14	n/a	\$14	18.4	Very Low
Wildfire	\$735	\$42,614	\$0	\$43,349	61.0	Relatively High

*Expected annual loss scores are calculated utilizing an equation that combines values for exposure, annualized frequency, and historic loss ratios (Expected Annual Loss = Exposure x Annualized Frequency x Historic Loss Ratio).*

An EAL score and rating is calculated independently for each consequence type (i.e., buildings, population, and agriculture) for each county and Census Tract. The population EAL is measured in fatalities and injuries while the building and agriculture values are measured in dollars. However, for consistency in the unit of measurement, the population EAL was monetized into population equivalence using a value of statistical life (VSL) approach where each fatality or 10 injuries is treated as \$11.6 Million of economic loss.

**9.1.2. Social Vulnerability**

Social vulnerability, the consequence enhancing risk component of the NRI, measures the susceptibility of social groups to the adverse impacts of natural hazards, including disproportionate death, injury, loss, or disruption of livelihood. The Social Vulnerability score and rating represent the relative level of a community’s social vulnerability compared to all other communities at the same level. A higher Social Vulnerability score results in a higher Risk Index score.<sup>5</sup> **Table 12** illustrates the Social Vulnerability rating and score for RHFPD.

**Table 12. Social Vulnerability (FEMA National Risk Index)**

Jurisdiction	Rating	Score
Rodeo-Hercules Fire Protection District	Relatively Moderate	47.3

*Social Vulnerability is measured using the Social Vulnerability Index (SoVI) published by the University of South Carolina’s Hazards and Vulnerability Research Institute (HVRI).*

<sup>5</sup> Federal Emergency Management Agency. (2023). Social Vulnerability. Retrieved from <https://hazards.fema.gov/nri/social-vulnerability>.



**9.1.3. Community Resilience**

Community resilience, the consequence reduction risk component, measures the ability of a community to prepare for anticipated natural hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions. The Community Resilience score and rating represent the relative level of a community’s resilience compared to all other communities at the same level. Since the score is inversely proportional to a community’s risk; the higher Community Resilience score results in a lower Risk Index score.<sup>6</sup> **Table 13** illustrates the Community Resilience rating and score for RHFPD.

**Table 13. Community Resilience (FEMA National Risk Index)**

Jurisdiction	Rating	Score
Rodeo-Hercules Fire Protection District	Relatively High	66.4

*Community Resilience is measured using the Baseline Resilience Indicators for Communities (HVRI BRIC) published by the University of South Carolina’s Hazards and Vulnerability Research Institute (HVRI).*

**9.1.4. Annualized Frequency**

Annualized frequency is defined as the expected frequency or probability of a hazard occurrence per year. It is a natural hazard incidence factor for Expected Annual Loss, the natural hazards component of the National Risk Index. A higher annualized frequency value results in higher Expected Annual Loss and Risk Index scores. The annualized frequency is derived from either the number of recorded hazard occurrences each year over a given period or the modeled probability of a hazard occurrence each year (e.g., earthquake).<sup>7</sup> **Table 14** outlines the annualized frequency for each hazard, based on FEMA NRI data, for RHFPD.

**Table 14. Hazard Annualized Frequency (FEMA National Risk Index)**

Hazard	Period of Record	Events on Record	Annualized Frequency
Coastal Flooding <i>(Sea Level Rise)</i>	Various datasets	n/a	1.0 events per year
Drought	22 years	1,003	45.6 events per year
Earthquake	2021 dataset	n/a	0.011% chance per year
Hail <i>(Severe Weather)</i>	34 years	1	0.0 events per year
Heat Wave <i>(Severe Weather)</i>	16 years	27	1.9 events per year
Landslide	12 years	0.3	0.0 events per year
Riverine Flooding <i>(Flood)</i>	24 years	31	1.3 events per year
Strong Winds <i>(Severe Weather)</i>	34 years	2	0.0 events per year
Tornado <i>(Severe Weather)</i>	72 years	0	0.0 events per year
Tsunami	222 years	0	0.0 events per year
Wildfire	2021 dataset	n/a	0.0% events per year

<sup>6</sup> Federal Emergency Management Agency. (2023). Community Resilience. Retrieved from <https://hazards.fema.gov/nri/community-resilience>.

<sup>7</sup> Federal Emergency Management Agency. (2023). Annualized Frequency. Retrieved from <https://hazards.fema.gov/nri/annualized-frequency>.



## 10. HAZARD RISK RANKING

Table 15 presents the local hazard ranking for RHFPD of all hazards of concern listed in Volume 1 of this Plan. 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.

**Table 15. Hazard Risk Ranking**

Hazard Event	Probability Factor	Sum of Weighted Extent Factors	Sum of Weighted Vulnerability Factors	Sum of Weighted Impact Factors	Consequence Score	Total Risk Score (Probability x Consequence)
Earthquake	2	18	17	36	71	68
Landslide	3	9	9	22	40	59
Heavy Rain (Severe Weather)	3	9	14	15	38	56
Flood (Urban/Flash Flood)	2	15	12	29	56	55
Wildfire	2	12	12	31	55	54
Severe Thunderstorm (Severe Weather)	3	6	16	14	36	54
Strong Winds / Damaging Winds (Severe Weather)	3	9	11	16	36	54
Heat Wave/Extreme Heat	3	9	10	15	34	51
Utility Interruptions	3	9	7	18	34	51
Drought	2	18	12	20	50	50
Flood (Riverine/Creek)	2	12	7	29	48	48
Hazardous Materials Incidents	2	15	9	16	40	41
Climate Change	2	9	12	15	36	38
Sea Level Rise	2	12	6	17	35	37
Cybersecurity Incidents	2	12	7	13	32	34
Active Shooter Incidents	2	9	5	15	29	32
Terrorism (Weapons of Mass Destruction)	1	18	11	27	56	31
Dam and Levee Failure	1	18	6	31	55	30
Tsunami	1	6	6	22	34	20



Hazard Event	Probability Factor	Sum of Weighted Extent Factors	Sum of Weighted Vulnerability Factors	Sum of Weighted Impact Factors	Consequence Score	Total Risk Score (Probability x Consequence)
Tornado (Severe Weather)	1	6	6	14	26	16

**Consequence:** Sum of all weighted factors.  
**Extent:** Sum of the weighted Extent factors.  
**Vulnerability:** Sum of the weighted Vulnerability factors.

**Impact:** Sum of the weighted Impact factors.  
**Total Risk Score\*** = Probability x Consequence  
 \* Normalized to 100

**Total Risk Score Legend**

Classification	Probability Factor	Extent	Vulnerability	Impact	Consequence Score	Total Risk Score
Low (L)	1	0 – 6	0 – 6	0 – 12	0 – 24	0 – 24
Medium (M)	2	7 – 12	7 – 12	13 – 26	25 – 50	25 – 54
High (H)	3	13 – 18	13 – 18	27 – 39	51 – 75	55 and above

The **legend**—specifically the assignment of low, medium, and high—provides an additional means to qualitatively assess the probability factor, sum of weighted factors, and the total risk scores for each hazard. The **Consequence Score** represents the sum of the Extent, Vulnerability, and Impact Factors. The **Total Risk Score** is a measure of Probability and Consequence.



## 11. MITIGATION ACTIONS

This section includes the mitigation actions that were developed to address identified risks and vulnerabilities to hazards identified in this Plan. This Plan serves only to recommend mitigation measures based on the potential for risk reduction and available funding. Implementation of mitigation actions is dependent on risk reduction priorities, feasibility, and available funding. It is also dependent on the cooperation and support of the jurisdiction and/or department responsible for each action item.

RHFPD agreed upon **10** mitigation actions that apply to the jurisdiction’s properties where they have jurisdictional responsibility and authority. The District did not participate in the previous reiteration of the Contra Costa County Hazard Mitigation Plan; therefore, all mitigation actions are new. A summary of the District’s mitigation actions status is listed in **Table 16**.

**Table 16. Rodeo-Hercules Fire Protection District Mitigation Actions Summary**

Status		Mitigation Action Total	
Ongoing		0	
In Progress/In Work		0	
Not Started		0	
Delayed/Deferred		0	
New		10	
<b>TOTAL</b>		<b>10</b>	
Completed		0	
Deleted/No Longer Needed		0	
Mitigation Actions per Hazard			
Climate Change	7	Landslide	9
Dam and Levee Failure	9	Sea Level Rise	9
Drought	9	Severe Weather	8
Earthquake	8	Tsunami	9
Flood	9	Wildfire	9
Other Hazards of Concern: Hazardous Materials Incidents (6), Utility Interruptions (6), Active Shooter Incident (6), Terrorism (6)			

These shared actions, some of which address all hazards, help to meet the following requirements:

- Does the Plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure?
- Does the Plan include one (1) or more action(s) per jurisdiction for each hazard identified within the risk assessment?

A detailed explanation of the Mitigation Strategy can be found in Chapter 5 of **Volume 1**.



<b>Mitigation Action</b>	Implement a Community Emergency Response Team (CERT) Program to ensure training, support, and equipment. Additionally, to improve resilience from and disaster preparedness for the hazards that may impact the District and region, and trains residents in basic disaster response skills (e.g., fire safety, light search and rescue, team organization, and disaster medical operations).				
<b>Action Number</b>	RH-1	<b>Year Initiated</b>	2024	<b>Prioritization Score</b>	33/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 4, 5		<b>Hazard(s) Mitigated</b>	Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire, Active Shooter Incidents, Hazardous Materials Incidents, Terrorism, Utility Interruptions	
<b>Project Status</b>	New		<i>If Deleted/No Longer Needed, provide reason.</i>	N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District		<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	N/A	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Long Term		<b>Estimated Cost</b>	Low	
<b>Potential Funding Source</b>	Local Budgeted Funds, UASI		<i>If Other, you <b>must</b> identify a funding source.</i>	N/A	
			Please provide further detail on Potential Funding Source.	General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Provide equipment, apparatus, and support for Wildfire mitigation efforts to include, but not limited to, the development of a mitigation plan, implement fuels management and reduction with replantation of indigenous fire restive plants, map vulnerable areas, retrofit and or require/encourage fire resistive construction, create defensible space, around structures, chipper program, fire awareness program, weed abatement.				
<b>Action Number</b>	RH-2	<b>Year Initiated</b>	2024	<b>Prioritization Score</b>	33/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 2, 3, 4, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Drought, Landslide, Wildfire	
<b>Project Status</b>	New	If Deleted/No Longer Needed, provide reason.		N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District	<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	Contra Costa County Fire Protection District		
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Ongoing	<b>Estimated Cost</b>	Medium		
<b>Potential Funding Source</b>	Local Budgeted Funds, HMGP, BRIC, FMA, CDBG, FEMA PA	If <i>Other</i> , you <b>must</b> identify a funding source.		N/A	
		Please provide further detail on Potential Funding Source.		General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			

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<b>Mitigation Action</b>	Implement a water response and rescue program to include, but not limited to, equipment, training, and support during water related disasters and incidents.				
<b>Action Number</b>	RH-3	<b>Year Initiated</b>	2027	<b>Prioritization Score</b>	33/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 2, 4, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Dam and Levee Failure, Flood, Sea Level Rise, Tsunami	
<b>Project Status</b>	New	If Deleted/No Longer Needed, provide reason.		N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District	<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	Contra Costa County Fire Protection District		
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Ongoing	<b>Estimated Cost</b>	Medium		
<b>Potential Funding Source</b>	Local Budgeted Funds, HMGP, FMA, FEMA PA	If Other, you <b>must</b> identify a funding source.	N/A		
		Please provide further detail on Potential Funding Source.	General Fund (Staff Time)		
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			





<b>Mitigation Action</b>	Integrate interoperable and reliable communication equipment including portable and mobile radios and all associated equipment to coordinate disaster response.				
<b>Action Number</b>	RH-4	<b>Year Initiated</b>	2024	<b>Prioritization Score</b>	39/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 2, 3, 4, 5		<b>Hazard(s) Mitigated</b>	Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire, Active Shooter Incidents, Hazardous Materials Incidents, Terrorism, Utility Interruptions	
<b>Project Status</b>	New	If Deleted/No Longer Needed, provide reason.		N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District	<b>Supporting Agency / Organization</b> <i>(If applicable)</i>		N/A	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Short Term	<b>Estimated Cost</b>		Medium	
<b>Potential Funding Source</b>	Local Budgeted Funds, Other, HMGP, FMA, FEMA PA	If <i>Other</i> , you <b>must</b> identify a funding source.		UASI	
		Please provide further detail on Potential Funding Source.		General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Ensure that mandated training is provided to employees who require advanced knowledge and application of the Incident Command System (ICS); and ensure that employee training records are securely maintained. These include, but are not limited to, primary and alternate EOC Section Chiefs and senior field personnel, ICS-300, ICS-400, and the FEMA Professional Development Series.				
<b>Action Number</b>	RH-5	<b>Year Initiated</b>	2025	<b>Prioritization Score</b>	38/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 2, 3, 4, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire, Active Shooter Incidents, Hazardous Materials Incidents, Terrorism, Utility Interruptions	
<b>Project Status</b>	New		<i>If Deleted/No Longer Needed, provide reason.</i>	N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	Medium				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District		<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	N/A	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Ongoing		<b>Estimated Cost</b>	Medium	
<b>Potential Funding Source</b>	Local Budgeted Funds		<i>If Other, you <b>must</b> identify a funding source.</i>	N/A	
			Please provide further detail on Potential Funding Source.	General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Enhance technical equipment for a training room that could serve as a District Operations Center (DOC) or an alternative Emergency Operations Center (EOC).				
<b>Action Number</b>	RH-6	<b>Year Initiated</b>	2025	<b>Prioritization Score</b>	38/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 2, 3, 4, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire, Active Shooter Incidents, Hazardous Materials Incidents, Terrorism, Utility Interruptions	
<b>Project Status</b>	New	If Deleted/No Longer Needed, provide reason.		N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District	<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	City of Hercules Police Department		
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Short Term	<b>Estimated Cost</b>	Low		
<b>Potential Funding Source</b>	Local Budgeted Funds, Other, HMGP, BRIC, FMA, CDBG, FEMA PA	If <i>Other</i> , you <b>must</b> identify a funding source.	UASI		
		Please provide further detail on Potential Funding Source.	General Fund (Staff Time)		
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Enhance Fire States for surge capacity, sustainable deployment, apparatus bay doors, kitchen and cooking areas, training room, office capacity, and capacity for housing additional personnel in during large scale events.				
<b>Action Number</b>	RH-7	<b>Year Initiated</b>	2025	<b>Prioritization Score</b>	35/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 2, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire, Active Shooter Incidents, Hazardous Materials Incidents, Terrorism, Utility Interruptions	
<b>Project Status</b>	New	If Deleted/No Longer Needed, provide reason.		N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	Medium				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District		<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	City of Hercules Police Department	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Short Term		<b>Estimated Cost</b>	Medium	
<b>Potential Funding Source</b>	Local Budgeted Funds, HMGP, HMGP Post Fire, BRIC, FMA, CDBG, FEMA PA		If <i>Other</i> , you <b>must</b> identify a funding source.	N/A	
			Please provide further detail on Potential Funding Source.	General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Provide cardiac monitors and other essential and lifesaving equipment for first responders to increase the survival rate of victims during emergencies and disasters.				
<b>Action Number</b>	RH-8	<b>Year Initiated</b>	2024	<b>Prioritization Score</b>	40/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 5		<b>Hazard(s) Mitigated</b>	Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire, Active Shooter Incidents, Hazardous Materials Incidents, Terrorism, Utility Interruptions	
<b>Project Status</b>	New	If Deleted/No Longer Needed, provide reason.		N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District	<b>Supporting Agency / Organization</b> <i>(If applicable)</i>		N/A	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Short Term	<b>Estimated Cost</b>		Medium	
<b>Potential Funding Source</b>	Local Budgeted Funds, Other, HMGP, HMGP Post Fire, BRIC, FMA	If <i>Other</i> , you <b>must</b> identify a funding source.		UASI	
		Please provide further detail on Potential Funding Source.		General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Partner with the community, non-profits, law enforcement, to conduct community trainings on emergency preparedness, and response (e.g., evacuation routes and shelters).				
<b>Action Number</b>	RH-9	<b>Year Initiated</b>	2025	<b>Prioritization Score</b>	40/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire	
<b>Project Status</b>	New		<i>If Deleted/No Longer Needed, provide reason.</i>	N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District		<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	City of Hercules Police Department, Contra Costa County Office of Emergency Services	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Ongoing		<b>Estimated Cost</b>	Medium	
<b>Potential Funding Source</b>	Local Budgeted Funds, HMGP, BRIC, FMA		<i>If Other, you <b>must</b> identify a funding source.</i>	N/A	
			Please provide further detail on Potential Funding Source.	General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



<b>Mitigation Action</b>	Explore participating in community readiness programs such as Firewise, Read Set Go, and StormReady.				
<b>Action Number</b>	RH-10	<b>Year Initiated</b>	2024	<b>Prioritization Score</b>	33/40
<b>Goal(s) / Objective(s) Addressed</b>	<b>Goals:</b> 1, 4, 5		<b>Hazard(s) Mitigated</b>	Climate Change, Dam and Levee Failure, Drought, Earthquake, Flood, Landslide, Sea Level Rise, Severe Weather, Tsunami, Wildfire	
<b>Project Status</b>	New		<i>If Deleted/No Longer Needed, provide reason.</i>	N/A	
<b>Benefits</b> <i>(Loss Avoided)</i>	High				
<b>Lead Agency / Organization</b>	Rodeo-Hercules Fire Protection District		<b>Supporting Agency / Organization</b> <i>(If applicable)</i>	N/A	
<b>Additional Participating Jurisdictions</b> <i>(If applicable)</i>	N/A				
<b>Project Duration</b>	Long Term		<b>Estimated Cost</b>	Low	
<b>Potential Funding Source</b>	Local Budgeted Funds		<i>If Other, you <b>must</b> identify a funding source.</i>	N/A	
			Please provide further detail on Potential Funding Source.	General Fund (Staff Time)	
<b>Implementation Priority</b>	High	<b>Integration Ideas</b> <i>(Optional)</i>			



## APPENDIX A. PUBLIC ENGAGEMENT

*[This section will be populated after the Public Comment Period ends.]*





## APPENDIX B. PLAN ADOPTION

[Placeholder for adoption documentation after State and FEMA Approval]