Multi-Jurisdictional Hazard Mitigation Plan: City of La Mesa Annex

San Diego County, California

2023

CITY OF LA MESA

JEWEL of the HILLS

This page is intentionally left blank.

1. SECTION ONE: Planning Area and Resources

1.1. Planning Area: City of La Mesa

The City of La Mesa is located in Eastern San Diego County, approximately 12 miles east of the City of San Diego. La Mesa is a suburban residential community surrounded by rolling hills and hilltop home sites. The City is 9 square miles of diverse residential, commercial, and industrial area. La Mesa has its own Police Department and is part of joint exercise of powers agreement for organizational management of fire protection, fire prevention services, emergency medical services and emergency management. These services are provided by Heartland Fire & Rescue, an ISO Class 1 Fire department.

La Mesa has a semi-arid Mediterranean climate and averages 263 sunny days per year. Winters are mild with periodic rain. Frost is rare but can occur in December and January. Summer is almost rain free, but sometimes overcast and cool in the months of May and June. While most days have mild and pleasant temperatures, hot dry Santa Ana winds bring high temperatures on a few days each year, mostly but not exclusively in the fall.

There are approximately 23,532 households in the City. There exists a cross-section of housing types, from lower cost mobile homes and apartments, to moderately priced condominiums, to higher cost single-family residences. According to the most recent US Census data, the population of La Mesa is 61,933. It also shows the racial makeup of La Mesa to be as follows:

- 67.4% White
- 24.7% Hispanic or Latino
- 8.3% Black or African America
- 7.5% Asian
- 10.8% Mixed Race
- 0.3% Native Hawaiian / Pacific Islander
- .08% Native American
- 10.8% listed as Other Race

1.2. Community Rating System Requirements

The Community Rating System (CRS) is a FEMA program and rewards communities that go beyond the minimum standards for floodplain management under the National Flood Insurance Program (NFIP). Communities can potentially improve their Community Rating System and lower NFIP premiums by developing a CRS Plan.

For more information on the National Flood Insurance Program, see http://www.fema.gov/national-flood-insurance-program.

Community Rating System (CRS) Planning Steps	Local Mitigation Planning Handbook Tasks (44 CFR Part 201)
Step 1. Organize	**Task 1:** Determine the Planning Area and Resources **Task 2:** Build the Planning Team 44 CFR 201.6(c)(1)
Step 2. Involve the public	**Task 3:** Create an Outreach Strategy 44 CFR 201.6(b)(1)
Step 3. Coordinate	**Task 4:** Review Community Capabilities 44 CFR 201.6(b)(2) & (3)
Step 4. Assess the hazard	**Task 5:** Conduct a Risk Assessment 44 CFR 201.6(c)(2)(i) 44 CFR 201.6(c)(2)(ii) & (iii)
Step 5. Assess the problem	
Step 6. Set goals	**Task 6:** Develop a Mitigation Strategy 44 CFR 201.6(c)(3)(i) 44 CFR 201.6(c)(3)(ii) 44 CFR 201.6(c)(3)(iii)
Step 7. Review possible activities	
Step 8. Draft an action plan	
Step 9. Adopt the plan	**Task 8:** Review and Adopt the Plan 44 CFR 201.6(c)(5)
Step 10. Implement, evaluate, revise	**Task 7:** Keep the Plan Current **Task 9:** Create a Safe and Resilient Community 44 CFR 201.6(c)(4)

TABLE 1: DESCRIBES THE CRS REQUIREMENTS MET BY THE SAN DIEGO COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN.

Any jurisdiction or special district may participate in the hazard mitigation planning process. However, to request FEMA approval, each of the local jurisdictions must meet all requirements of 44 CFR §201.6. In addition to the requirement for participation in the process, the Federal regulation specifies the following requirements for multi-jurisdictional plans:

- The risk assessment must assess each jurisdiction's risk where they may vary from the risks facing the entire planning area. (44 CFR §201.6(c)(2)(iii))
- There must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan. (44 CFR §201.6(c)(3)(iv))

- Each jurisdiction requesting approval of the plan must document that is has been formally adopted. (44 CFR §201.6(c)(5))

The hazard mitigation plan must clearly list the jurisdictions that participated in the plan and are seeking plan approval. The San Diego County Multi-Jurisdictional Hazard Mitigation Plan and annexes meet all requirements.

2. SECTION TWO: Planning Team

2.1. Planning Participants

City Manager's Office
Hilary Ego, Environmental Program Manager

Information Technology / GIS
Javier Rios, IT Manager/GIS Specialist

Fire Department – Heartland Fire & Rescue
Bent Koch, Operations Chief
Shaun Richardson, Fire Marshal
Andy McKellar, Emergency Preparedness Coordinator

Police Department
Ray Sweeney, Chief of Police

Public Works
Hamed Hashemian, Engineering Project Manager
Joe Kuhn, Storm Water Project Manager

2.2. Planning Process

The San Diego County Hazard Mitigation Working Group held regular meetings which were attended by the Emergency Preparedness Coordinator. A series of meetings was held by the Local Planning Group (LPG). Due to COVID restrictions, these meetings were held online. The goals and objectives were developed by considering the risk assessment findings, localized hazard identification and loss/exposure estimates, and an analysis of the jurisdiction's current capabilities assessment. These preliminary goals, objectives and actions were developed to represent a vision of long-term hazard reduction or enhancement of capabilities. To help in further development of these goals and objectives, the LPG compiled and reviewed current jurisdictional sources including the City's planning documents, codes, and ordinances.

See the *San Diego County Multi-Jurisdictional Hazard Mitigation Plan's* Section Two for details about the county-wide Planning Process.

City of La Mesa LPG Meetings

May, 19, 2021 – Initial Meeting

April 13, 2022 – Final Meeting

3. SECTION THREE: Outreach Strategy

See the *San Diego County Multi-Jurisdictional Hazard Mitigation Plan's* Section Three for details about the county-wide outreach strategy.

4. SECTION FOUR: Community Capabilities

Local mitigation capabilities are existing authorities, policies, programs, and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities, and must be included in a hazard mitigation plan by the planning team.

The Local Planning Group may also identify additional types of capabilities relevant to mitigation planning.

4.1. Capability Assessment

The primary types of capabilities for reducing long-term vulnerability through mitigation planning are:

- Planning and regulatory
- Administrative and technical
- Financial
- Education and outreach

Improvements in existing policies and programs in each of the four areas above can be obtained through increased cooperation between city departments, continued training of staff, and collaboration with local and regional partners by:

- Remaining briefed on General Plan and Sustainability Initiative updates (Planning and Regulatory)
- Continuing to research and apply to local, state, and federal grants to fund staff and resources needed to further mitigate hazards (Administrative and Technical)
- Continuing to research and apply to local, state, and federal grants to fund priority hazard mitigation actions (Financial)
- Continuing to research and apply to local, state, and federal grants to fund CERT, community groups, and other education/outreach programs (Education and Outreach)

4.1.1 Planning and Regulatory

Planning and regulatory capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards. Please indicate which of the following your jurisdiction has in place:

Plans	Yes/No Year	Does the plan address hazards? Does the plan identify projects to include in the mitigation strategy? Can the plan be used to implement mitigation actions?
Comprehensive/Master Plan	Yes 2013	The General Plan address flood, fire, seismic, geologic, and hazardous materials. The General Plan does not identify specific projects to include in the mitigation strategy. The plan can be used to implement mitigation actions.
Capital Improvements Plan	Yes FY20/21	Yes No Yes
Economic Development Plan	No	Currently in development
Local Emergency Operations Plan	Yes	Yes No Yes
Continuity of Operations Plan	Yes 2013	No No No
Transportation Plan	Yes	The City has various transportation plans including Vision Zero (2018), Complete Street Design (2021) and CAP (2018).
Stormwater Management Plan	Yes 2015	Yes Yes Yes
Community Wildfire Protection Plan	Yes 2013	Yes Within the Safety Element of the General Plan
M. Real estate disclosure requirements	No	
Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)	Yes 2018	Climate Action Plan

TABLE 4.1.1: PLANNING AND REGULATORY - 4.1 DATA.

4.1.2 Administrative and Technical

Administrative and technical capabilities include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. For smaller jurisdictions without local staff resources, if there are public resources at the next higher-level government that can provide technical assistance, indicate so in your comments:

Administration	Yes/No	Describe capability Is coordination effective?
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Planning and Engineering staff are trained to become familiar with and to enforce all applicable Federal, State, and Local regulations and requirements of land development and land management practices. Yes.
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Conduct inspections of private and public construction projects inspecting materials and workmanship to ensure compliance with approved plans and specifications; inspect conditions prior to the start of construction, during construction, and upon completion. Yes.
Planners or Engineer(s) with an understanding of natural and/or manmade hazards	Yes	Both Planers and Engineers understand various types of natural and manmade hazards. Staff is trained to assist with hazard mitigation when/if it occurs and appropriate mitigation measures are incorporated all development/ construction projects.
Mitigation Planning Committee	Yes	Development Advisory Group and Planning Review Group
Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems)	Yes	Annual weed abatement program, citizen complaint request tracker, and fuels mitigation Annual tree trimming program, storm drain clearing before storm season, regular storm drain jetting
Mutual aid agreements	Yes	Participate in the California Fire Rescue and Mutual Aid System, the San Diego County Operational Area Emergency Operations Plan. The California Master Mutual Aid Agreement.

Table 4.1.2: Administrative and Technical - 4.1 Data Continued.

Staff	Yes/No FT/PT1	Is staffing adequate to enforce regulations? Is staff trained on hazards and mitigation? Is coordination between agencies and staff effective?
Chief Building Official	Yes FT - 1	Yes Yes Yes
Floodplain Administrator	Yes FT -1	Yes Yes Yes
Emergency Manager	Yes FT/1	Yes Yes Yes
Surveyors	Yes FT - 1	Consultants are relied upon for survey work. Training provided through State survey license and necessary training is reviewed upon consultant selection.
Staff with education or expertise to assess the community's vulnerability to hazards	Yes FT	Fire and Land Use Planning
Community Planner	Yes FT	Yes Yes Yes
Scientists familiar with the hazards of the community	Yes	Consultants are relied upon for scientific work. Necessary training is reviewed upon consultant selection. Coordination is effective.
Civil Engineer	Yes FT-1	Director of Public Works/City Engineer
Personnel skilled in GIS and/or HAZUS	Yes FT - 1	The City of La Mesa has an onsite consultant to manage and update its infrastructure maps
Grant writers	Yes PT	Each department has specified employees that have grant writing as part of their full-time position duties

TABLE 4.1.3: ADMINISTRATIVE AND TECHNICAL – 4.1 DATA CONTINUED.

Technical	Yes/No	Describe capability Has capability been used to assess/mitigate risk in the past?
Warning systems/services (Reverse 911, outdoor warning signals)	Yes	Alert San Diego for Reverse 911 operations. Wireless Emergency Alerts (WEA) for emergency notifications Portable changeable message boards.
Hazard data and information	Yes	Previous Regional and La Mesa-specific hazard data and information has been used to identify and mitigate risks in the past
Grant writing	Yes PT	Various full-time staff have grant writing as part of their regular duties
Hazus analysis	Yes	Hazus program has been used to identify and mitigate risks

TABLE 4.1.4: ADMINISTRATIVE AND TECHNICAL – 4.1 DATA CONTINUED.

4.1.3 Financial

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation:

Funding Resource	Access/ Eligibility (Yes/No)	Has the funding resource been used in past and for what type of activities? Could the resource be used to fund future mitigation actions?
Community Development Block Grants (CDBG)	No	No. Potentially in CDQG- qualifying areas
Capital improvements project funding	Yes	CIP Funds include replacement or rehabilitation of corrugated metal pipes. Any other emergency has been dealt with the CIP funds on a as needed basis.
Authority to levy taxes for specific purposes	No	No, but with voter approval can happen Yes
Fees for water, sewer, gas, or electric service	Yes	The City charges for sewer collection and treatment services.
Impact fees for homebuyers or developers for new developments/homes	No	Impact fees have not been used in the past for specifically hazard mitigation. This resource could be used to fund future mitigation actions with support and direction from the City Council.
Incur debt through general obligation bonds	No	
Incur debt through special tax and revenue bonds	No	
Incur debt through private activity bonds	No	
Community Development Block Grants (CDBG)	No	Impact fees have not been used in the past for specifically hazard mitigation. This resource could be used to fund future mitigation actions with support and direction from the City Council.
Capital improvements project funding	Yes	CIP funds have been used for pervious and future hazard mitigations.
Authority to levy taxes for specific purposes	Yes	With voter approval

TABLE 4.1.5: FINANCIAL – 4.1 DATA CONTINUED.

4.1.4 Education and Outreach

Identify education and outreach programs and methods already in place that could be used to implement mitigation activities and communicate hazard-related information:

Program/Organization	Yes/No	Describe program/organization and how relates to disaster resilience and mitigation. Could the program/organization help implement future mitigation activities?
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	Yes	La Mesa works with a number of community organizations who have direct involvement in environmental protection, emergency preparedness and access and functional needs issues. Examples are the American Red Cross, Sierra Club, San Diego Regional Center and the International Rescue Committee. http://sandiegosierraclub.org/ https://www.rescue.org/united-states/san-diego-ca https://www.sdrc.org/ https://www.redcross.org/local/california/southern-california/about-us/locations/san-diego-imperial.html?CID=organic_gmb_listings East County Community Emergency Response Team (CERT)
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Yes	The City uses many avenues to inform and educate community members. Environmental information can be found on the City's webpage, preparedness and safety messaging is presented through the social media outlets for both Fire and Police Departments. Each September the City holds a Safety Fair in coordination with National Preparedness Month and each October, the Fire Department holds an Open House event. At each of these events, Police and Fire personnel, along with trained CERT members, provide safety and preparedness information to the public. More information is available to the public through these websites and partner agencies. https://www.cityoflamesa.us/65/Environmental-Sustainability https://mtrp.org/ https://thegarden.org/
Natural disaster or safety related school programs	Yes	The Fire Department offers disaster and safety programs to local schools as requested.
StormReady certification	No	
Firewise Communities certification	No	
Public-private partnership initiatives addressing disaster-related issues	Yes	Fire department along with CERT, SDGE, Red Cross and local community groups provide information on "all hazards" disaster preparedness and general fire safety. Using multiple federal, state and local resources information is compiled and shared as it applies to specific disaster related issues that are encountered.

TABLE 4.1.6: EDUCATION AND OUTREACH - 4.1 DATA CONTINUED.

4.2 Safe Growth Audit

Identify gaps in your community's growth guidance instruments and improvements that could be made to reduce vulnerability to future development:

Comprehensive Plan	Yes	No
Land Use		
1. Does the future land-use map clearly identify natural hazard areas?		X
Land use established with consideration of hazards identified and mapped in the General Plan Safety Element.		
2. Do the land-use policies discourage development or redevelopment within natural hazard areas?	X	
3. Does the plan provide adequate space for expected future growth in areas located outside natural hazard areas?	X	
La Mesa is almost entirely urbanized.		
Transportation		
1. Does the transportation plan limit access to hazard areas?		X
Access it not provided or contemplated to the limited natural hazard areas in mostly urbanized La Mesa.		
2. Is transportation policy used to guide growth to safe locations?	X	
3. Are movement systems designed to function under disaster conditions (e.g., evacuation)?		X
La Mesa is nearly completely urbanized and its street system is complete. Multiple freeway and surface roads may be utilized in a disaster situation and the City is served by two trolley lines.		

TABLE 4.2.1: SAFE GROWTH AUDIT - 4.2 DATA.

Comprehensive Plan (continued)	Yes	No
Environmental Management		
1. Are environmental systems that protect development from hazards identified and mapped?	X	
General Plan Safety Element		
2. Do environmental policies maintain and restore protective ecosystems?	X	
3. Do environmental policies provide incentives to development that is located outside protective ecosystems?	X	
General Plan Conservation and Sustainability Element		
Public Safety		
1. Are the goals and policies of the comprehensive plan related to those of the FEMA Local Hazard Mitigation Plan?	X	
The City participates in the San Diego County Multi-jurisdictional Hazard Mitigation Plan		
2. Is safety explicitly included in the plan's growth and development policies?	X	
General Plan Safety Element		
3. Does the monitoring and implementation section of the plan cover safe growth objectives?	X	
Growth is directed away from the very few hazard areas in the City and directed to mixed-use corridors with ready access to transit		

TABLE 4.2.2: SAFE GROWTH AUDIT - 4.2 DATA CONTINUED.

Zoning Ordinance	**Yes**	**No**
1. Does the zoning ordinance conform to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas?	X	
Several overlays address limiting development in areas prone to natural hazard		
2. Does the ordinance contain natural hazard overlay zones that set conditions for land use within such zones?	X	
Floodway, Hillside, and Scenic Preservation Overlays		
3. Do rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use?	X	
Through application of the overlays and other zoning regulations limiting or prohibiting development in hazard areas		
4. Does the ordinance prohibit development within, or filling of, wetlands, floodways, and floodplains?	X	
Floodway Overlay Zone		
Subdivision Regulations	**Yes**	**No**
1. Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas?	X	
Through application of the overlays		
2. Do the regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources?	X	
Planned Residential Development (PRD) process		
3. Do the regulations allow density transfers where hazard areas exist?	X	
PRD process		

TABLE 4.2.3: SAFE GROWTH AUDIT - 4.2 DATA CONTINUED.

Capital Improvement Program and Infrastructure Policies	Yes	No
1. Does the capital improvement program limit expenditures on projects that would encourage development in areas vulnerable to natural hazards?		X
2. Do infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards?		X
3. Does the capital improvement program provide funding for hazard mitigation projects identified in the FEMA Mitigation Plan?		X
Other	**Yes**	**No**
1. Do small area or corridor plans recognize the need to avoid or mitigation natural hazards?		X
2. Does the building code contain provisions to strengthen or elevate construction to withstand hazard forces?	X	
3. Do economic development or redevelopment strategies include provisions for mitigation natural hazards?		X
4. Is there an adopted evacuation and shelter plan to deal with emergencies from natural hazards?	X	

TABLE 4.2.4: SAFE GROWTH AUDIT - 4.2 DATA CONTINUED.

4.2.1 Future Development Trends

The City of La Mesa is primarily land locked due to boundaries with other jurisdictions, and county and state lands. These development constraints have led to increased infill development within the City. Increased development has caused a strain on existing undersized infrastructure leading to increased concerns of stormwater capacity and flooding, which is being addressed through the waste water/stormwater projects outlined in Section 6 of this plan. New development does not extend city boundaries, it is re-utilizing existing real estate within city limits.

City of La Mesa – Population (US Census Bureau)				
2018	2019	2020	2021	2022
63,315	59,998	61,191	61,121	61,933

4.3 National Flood Insurance Program (NFIP)

As a participant in the National Flood Insurance Program (NFIP), a community develops capabilities for conducting flood mitigation activities. The hazard mitigation plan must describe each jurisdiction's participation in the NFIP. Participating communities must describe their continued compliance with NFIP requirements. The mitigation plan must do more than state that the community will continue to comply with the NFIP. Each jurisdiction must describe their floodplain management program and address how they will continue to comply with the NFIP requirements. The local floodplain administrator is often the primary source for this information.

Jurisdictions where FEMA has issued a floodplain map but are currently not participating in the NFIP may meet this requirement by describing the reasons why the community does not participate. Plan updates must meet the same requirements and document any change in floodplain management programs.

The City of La Mesa continues to participate in the NFIP. According to the 2022 FEMA Repetitive Loss Summary Report, The City of La Mesa has 2 Repetitive Loss properties and no Severe Repetitive Loss properties.

NFIP Topic	Source of Information	Comments
Insurance Summary		
How many NFIP policies are in the community? What is the total premium and coverage?	State NFIP Coordinator or FEMA NFIP Specialist	Total Flood Policies: 31 Total Premium: 16,752 Total Coverage: 7,651,000
How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	FEMA NFIP or Insurance Specialist	Total Claims Paid: 18 Total Claims Amt Paid: 35,517
How many structures are exposed to flood risk within the community?	Community Floodplain Administrator (FPA)	Unknown
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA and FEMA Insurance Specialist	N/A
Staff Resources		
Is the Community FPA or NFIP Coordinator certified?	Community FPA	No
Is floodplain management an auxiliary function?	Community FPA	No, but the Land Development Engineer administers the regulations.
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	Community FPA	The Land Development Division within the Development Services Department administers all aspects of the NFIP program except GIS. GIS is administered by the greater Engineering Dept.
What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	None
Compliance History		
Is the community in good standing with the NFIP?	State NFIP Coordinator, FEMA NFIP Specialist, community records	Yes
Are there any outstanding compliance issues (i.e., current violations)?		No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?		August 12, 2010.
Is a CAV or CAC scheduled or needed?		No

TABLE 2.3.1: NATIONAL FLOOD INSURANCE PROGRAM - 4.3 DATA.

NFIP Topic	Source of Information	Comments
Regulation		
When did the community enter the NFIP?	Community Status Book http://www.fema.gov/national-flood-insurance-program/national-flood-insurance-program-community-status-book	March 8, 1974
Are the FIRMs digital or paper?	Community FPA	Digital
Do floodplain development regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	Community FPA	City of La Mesa floodplain development regulations meet, and in some cases exceed, FEMA and State minimum requirements.
Provide an explanation of the permitting process.	Community FPA, State, FEMA NFIP Flood Insurance Manual http://www.fema.gov/flood-insurance-manual Community FPA, FEMA CRS Coordinator, ISO representative	During Discretionary Review of a project, the applicant is notified of the floodplain development regulations applicable to the site and project. The conditions of approval for the project include condition(s) specifying the requirements for development within the Flood Hazard Area. A site plan must be submitted and is reviewed for conformance with the La Mesa Municipal Code floodplain development requirements. The Development Permit is not issued until the plans are in conformance. Occupancy of any new habitable structures or additions is not granted until applicable documentation has been submitted and approved by the City.
Community Rating System (CRS)		
Does the community participate in CRS?	Community FPA, State, FEMA NFIP	No
What is the community's CRS Class Ranking?	Flood Insurance Manual http://www.fema.gov/flood-insurance-manual	N/A
What categories and activities provide CRS points and how can the class be improved?		N/A
Does the plan include CRS planning requirements	Community FPA, FEMA CRS Coordinator, ISO representative	N/A

TABLE 4.3.2: NATIONAL FLOOD INSURANCE PROGRAM - 4.3 DATA CONTINUED.

5 SECTION FIVE: Risk Assessment

The planning team conducted a risk assessment to determine the potential impacts of hazards to the people, economy, and built and natural environments of the community. The risk assessment provides the foundation for the rest of the mitigation planning process, which is focused on identifying and prioritizing actions to reduce risk to hazards.

Highest Rated Jurisdictional Hazards

The final list prioritized hazards for La Mesa were hazards with Medium Overall Significance. This list of hazards was determined by the LPG using historical data, vulnerability assessments, and information gathered from the County OES Hazard Seminar Series.

- **Drought:** Drought is a slow-onset hazard that can last for months or years. As a hazard, it has the potential to impact many aspects of life, including drinking water and food. Because of the long duration of droughts, the impacts last for years and can ripple through a community over time.

  Vulnerability and Impacts: Given the semi-arid climate of La Mesa, the regular occurrences of multi-year droughts across the State and Southwest region, drought can have a major impact on La Mesa's resiliency.

- **Earthquake:** An earthquake is a sudden motion or trembling that is caused by a release of strain accumulated within or along the edge of the Earth's tectonic plates. The effects of an earthquake can be felt far beyond the site of its occurrence. They usually occur without warning and, after just a few seconds, can cause massive damage and extensive casualties. There is potential for injuries, loss of life, property damage, and disruption of services.

  Vulnerability and Impacts: The largest impact to the jurisdiction will likely be providing support to the affected area through mutual aid to Fire and Police departments. The city may also be asked to open disaster shelters to provide relief for those directly affected by the earthquake. Past Occurrences

- **Extreme Heat:** In most of the United States, including the entire planning area, extreme heat is a long period (2 to 3 days) of high heat and humidity with temperatures above 90 degrees. The city has seen an increase in the number of extreme heat events.

  Vulnerability and Impacts: Extreme heat does not cause structural damage like floods, fires, and earthquakes; however, extreme heat events put vulnerable populations (such as older adults, children, people who are chronically ill, and people who work outside) at risk of heat-related illnesses and even death.

  Extreme heat also has secondary impacts, such as power outages and poor air quality. Heat events, and the increased use of air conditioning, can lead to power outages, which makes the events even more dangerous. Hotter temperatures may also lead to poorer air quality because ozone formation, a component of smog, increases with higher temperatures.

***Medium:** The criteria fall mostly in the middle ranges of classifications and the event's impacts on the planning area are noticeable but not devastating. This rating is sometimes used for hazards with a high extent rating but very low probability rating. Following the Risk Assessment criteria in section 5.1, La Mesa has no hazards that fall into the "High" category.*

5.1 Hazards Summary

The Local Planning Group reviewed the hazards identified in the previous Hazard Mitigation Plan and evaluated each to see if they still posed a risk to the jurisdiction. In addition, the hazards listed in the FEMA Local Mitigation Planning Handbook were also reviewed to determine if they should be added to the list of hazards to include in the plan revision.

Hazard	Location (Geographic Area Affected)	Maximum Probable Extent (Magnitude/Strength)	Probability of Future Events	Overall Significance Ranking
Avalanche	Negligible	Weak	Unlikely	Low
Dam Failure	Negligible	Weak	Unlikely	Low
Drought	Limited	Moderate	Occasional	Medium
Earthquake	Significant	Severe	Likely	Medium
Erosion	Negligible	Weak	Unlikely	Low
Expansive Soils	Negligible	Weak	Unlikely	Low
Extreme Cold	Negligible	Weak	Unlikely	Low
Extreme Heat	Significant	Moderate	Likely	Medium
Flood	Limited	Weak	Occasional	Low
Hail	Negligible	Weak	Unlikely	Low
Hurricane	Negligible	Weak	Unlikely	Low
Landslide	Limited	Weak	Occasional	Low
Lightning	Negligible	Weak	Occasional	Low
Sea Level Rise	Negligible	Weak	Unlikely	Low
Severe Wind	Limited	Weak	Occasional	Low
Severe Winter Weather	Negligible	Moderate	Occasional	Low
Storm Surge	Negligible	Weak	Unlikely	Low

Subsidence	Negligible	Weak	Unlikely	Low
Tornado	Negligible	Weak	Unlikely	Low
Tsunami	Negligible	Weak	Unlikely	Low
Wildfire	Limited	Weak	Occasional	Low

TABLE 5.1.1: HAZARD SUMMARY – 5.1 DATA.

Definitions for Classifications
Location (Geographic Area Affected)

- **Negligible:** Less than 10 percent of planning area or isolated single-point occurrences
- **Limited:** 10 to 25 percent of the planning area or limited single-point occurrences
- **Significant:** 25 to 75 percent of planning area or frequent single-point occurrences
- **Extensive:** 75 to 100 percent of planning area or consistent single-point occurrences

Maximum Probable Extent (Magnitude/Strength based on historic events or future probability)

- **Weak:** Limited classification on scientific scale, slow speed of onset or short duration of event, resulting in little to no damage
- **Moderate:** Moderate classification on scientific scale, moderate speed of onset or moderate duration of event, resulting in some damage and loss of services for days
- **Severe:** Severe classification on scientific scale, fast speed of onset or long duration of event, resulting in devastating damage and loss of services for weeks or months
- **Extreme:** Extreme classification on scientific scale, immediate onset or extended duration of event, resulting in catastrophic damage and uninhabitable conditions

Hazard	Scale / Index	Weak	Moderate	Severe	Extreme
Drought	Palmer Drought Severity Index3	-1.99 to +1.99	-2.00 to -2.99	-3.00 to -3.99	-4.00 and below
Earthquake	Modified Mercalli Scale4	I to IV	V to VII	VII	IX to XII
	Richter Magnitude5	2, 3	4, 5	6	7, 8
Hurricane Wind	Saffir-Simpson Hurricane Wind Scale6	1	2	3	4, 5
Tornado	Fujita Tornado Damage Scale7	F0	F1, F2	F3	F4, F5

Probability of Future Events

- **Unlikely:** Less than 1 percent probability of occurrence in the next year or a recurrence interval of greater than every 100 years.
- **Occasional:** 1 to 10 percent probability of occurrence in the next year or a recurrence interval of 11 to 100 years.
- **Likely:** 10 to 90 percent probability of occurrence in the next year or a recurrence interval of 1 to 10 years
- **Highly Likely:** 90 to 100 percent probability of occurrence in the next year or a recurrence interval of less than 1 year.

Overall Significance

- **Low:** Two or more criteria fall in lower classifications, or the event has a minimal impact on the planning area. This rating is sometimes used for hazards with a minimal or unknown record of occurrences or for hazards with minimal mitigation potential.
- **Medium:** The criteria fall mostly in the middle ranges of classifications and the event's impacts on the planning area are noticeable but not devastating. This rating is sometimes used for hazards with a high extent rating but very low probability rating.
- **High:** The criteria consistently fall in the high classifications and the event is likely/highly likely to occur with severe strength over a significant to extensive portion of the planning area.

- *Cumulative meteorological drought and wet conditions: http://ncdc.noaa.gov/*
- *Earthquake intensity and effect on population and structures: http://earthquake.usgs.gov*
- *Earthquake magnitude as a logarithmic scale, measured by a seismograph: http://earthquake.usgs.gov*
- *Hurricane rating based on sustained wind speed: http://nhc.noaa.gov*
- *Tornado rating based on wind speed and associated damage: http://spc.noaa.gov*

Critical Facility Type	Jurisdiction Name	Counts
BUS	LA MESA	2
EMERGENCY - EOC	LA MESA	1
EMERGENCY - FIRE	LA MESA	3
EMERGENCY - POLICE	LA MESA	1
HOSPITAL	LA MESA	1

5.2 Hazard Omission Rationale

During the initial evaluation, the Hazard Mitigation Planning Group (HMPG) determined certain hazards were not included in the original plan's profiling step because they were not prevalent hazards within San Diego County, were found to pose only minor or very minor threats to San Diego County compared to the other hazards (status had not changed), and would, therefore, not be included in this revision. Only hazards that received a High or Medium ranking in Section 5.1 were considered in this mitigation planning process.

Hazard	Description	Reason for Exclusion
Avalanche	A mass of snow moving down a slope. There are two basic elements to a slide; a steep, snow-covered slope and a trigger	Snowfall poses very minor threat compared to other hazards. NO significant snowfall has occurred within this jurisdiction.
Dam Failure	Catastrophic rupture of the dam structure causing downstream flooding and the possibility of human injury or loss of life.	Presents a minor threat to limited portions of the City.
Erosion	Erosion is the action of surface processes (such as water flow or wind) that removes soil, rock, or dissolved material from one location on the crust, and then transports it to another location where it is deposited.	Presents a minor threat to limited portions of the City.
Expansive soils	Expansive soils shrink when dry and swell when wet. This movement can exert enough pressure to crack sidewalks, driveways, basement floors, pipelines and even foundations	Presents a minor threat to limited portions of the City.
Hailstorm	Can occur during thunderstorms that bring heavy rains, strong winds, hail, lightning, and tornadoes	Occurs during severe thunderstorms; most likely to occur in the central and southern states; no historical record of this hazard in the region.
Land subsidence	Occurs when large amounts of ground water have been withdrawn from certain types of rocks, such as fine-grained sediments. The rock compacts because the water is partly responsible for holding the ground up. When the water is withdrawn, the rocks fall in on themselves.	Soils in the County are mostly granitic. Presents a minor threat to limited parts of the county. No historical record of this hazard in the region.
Tornado	A tornado is a violent windstorm characterized by a twisting, funnel-shaped cloud. It is spawned by a thunderstorm (or sometimes because of a hurricane) and produced when cool air overrides a layer of warm air, forcing the warm air to rise rapidly. The damage from a tornado is a result of the high wind velocity and wind-blown debris.	Less than one tornado event occurs in the entire State of California in any given year; poses very minor threat compared to other hazards. No historical record of this hazard in the region.

Volcano	A volcano is a mountain that is built up by an accumulation of lava, ash flows, and airborne ash and dust. When pressure from gases and the molten rock within the volcano becomes strong enough to cause an explosion, eruptions occur	No active volcanoes in San Diego County. No historical record of this hazard in the region.
Wildfire	A wildfire is an uncontrolled fire spreading through vegetative fuels and exposing or possibly consuming structures. They often begin unnoticed and spread quickly. Naturally occurring and non-native species of grasses, brush, and trees fuel wildfires.	While wildfire occurs within the adjoining, unincorporated areas of the County, no wildfire has taken place inside City boundaries or had a sustained negative affect on City services.
Windstorm	A storm with winds that have reached a constant speed of 74 miles per hour or more	Maximum sustained wind speed recorded in the region is less than 60 miles per hour and would not be expected to cause major damage or injury.

Table 5.2.1: Hazard Omission Rationale

5.3 Potential Hazard Exposure and Loss Estimates

The City of La Mesa reviewed a set of jurisdictional-level hazard maps and data provided by the County of San Diego, including detailed critical facility information and localized potential hazard exposure/loss estimates related to residential, commercial, and critical asset/facilities to identify the top hazards threatening the City.

		Residential		Commercial		Critical Facilities	
Hazard Type	**Exposed Population**	**Number of Residential Buildings**	**Potential Exposure Loss for Residential Buildings**	**Number of Commercial Buildings**	**Potential Exposure Loss for Commercial Buildings**	**Number of Critical Facilities**	**Potential Exposure for Critical Facilities**
Coastal Storm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sea Level Rise							
Coastal Flooding	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean Higher High Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dam Failure	129	7	2,720,200	1	302,350	1	6,670,000
Earthquake (Loss)							
(Annualized Loss - Includes shaking, liquefaction and landslide components)	211	340	132,056,031	212	64,188,905	0	0
100 Year	0	0	0	0	0	0	0
500 Year	0	0	0	0	0	0	0
Rose Canyon M6.9 Scenario	25,203	5,473	2,126,260,500	604	182.619,400	10	48,973,800
Floods (Loss)							
100 Year	0	1	388,600	3	907,050	0	0
500 Year	105	1	388,600	3	907,050	0	0
Rain-Induced Landslide							
High Risk	0	0	0	0	0	0	0
Moderate Risk	0	2	777,000	0	0	0	0
Tsunami	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wildfire/Structure Fire							
High Fire Hazard	0	0	0	0	0	0	0
Very High Fire Hazard	106	0	0	0	0	0	0

Table 5.3.1: Summary of potential hazard-related exposure/loss in The City of La Mesa.

6 SECTION SIX: Mitigation Strategy

The mitigation strategy serves as the long-term blueprint for reducing potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process.

The mitigation strategy is made up of three main required components: mitigation goals, mitigation actions, and an action plan for implementation. These provide the framework to identify, prioritize, and implement actions to reduce risk to hazards.

Mitigation goals are general guidelines that explain what the community wants to achieve with the plan They are usually broad policy-type statements that are long-term, and they represent visions for reducing or avoiding losses from the identified hazards

Mitigation actions are specific projects and activities that help achieve the goals.

The action plan describes how the mitigation actions will be implemented, including how those actions will be prioritized, administered, and incorporated into the community's existing planning mechanisms. In a multi-jurisdictional plan, each jurisdiction must have an action plan specific to that jurisdiction and its vulnerabilities.

Although not required, some communities choose to develop **objectives** to help define or organize mitigation actions. Objectives are broader than specific actions, but are measurable, unlike goals. Objectives connect goals with the actual mitigation actions.

6.1 Mitigation Action Evaluation

The Local Planning Group for the City identified and prioritized the following new mitigation actions based on risk assessments, goals, and objectives. Background information as well as information on how the action will be implemented and administered, such as ideas for implementation, responsible office, partners, potential funding, estimated cost, and timeline also are described.

The mitigation strategy includes only those actions and projects which reflect the actual priorities and capacity of the jurisdiction to implement over the next five years covered by this plan. It should further be noted, that although a jurisdiction may not have specific projects identified for each significant (medium) hazard for the five-year coverage of this planning process, the jurisdiction has focused on identifying those projects which are realistic and reasonable for the City to implement. Should future projects be identified for significant hazards where the jurisdiction has the capacity to implement, the City would add those projects to the City's Annex.

Rank each of the criteria with a -1, 0 or 1 using the following scale:

- 1 = Highly effective or feasible
- 0 = Neutral
- -1 = Ineffective or not feasible

Example Evaluation Criteria:

- **Life Safety** – How effective will the action be at protecting lives and preventing injuries?

- **Property Protection** – How significant will the action be at eliminating or reducing damage to structures and infrastructure?
- **Technical** – Is the mitigation action technically feasible? Is it a long-term solution? Eliminate actions that, from a technical standpoint, will not meet the goals.
- **Political** – Is there overall public support for the mitigation action? Is there the political will to support it?
- **Legal** – Does the community have the authority to implement the action?
- **Environmental** – What are the potential environmental impacts of the action? Will it comply with environmental regulations?
- **Social** – Will the proposed action adversely affect one segment of the population? Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people?
- **Administrative** – Does the community have the personnel and administrative capabilities to implement the action and maintain it or will outside help be necessary?
- **Local Champion** – Is there a strong advocate for the action or project among local departments and agencies that will support the action's implementation?
- **Other Community Objectives** – Does the action advance other community objectives, such as capital improvements, economic development, environmental quality, or open space preservation? Does it support the policies of the comprehensive plan?

The information contained within this plan, including results from the Risk Assessment, and the Mitigation Strategy will be used by the City to help inform updates and the development of local plans, programs and policies. The City's Public Works Department may use the hazard information when implementing forestry, street, and solid waste division projects. This plan may also be utilized when implementing water, wastewater reclamation, and environmental projects that are part of the City's Sustainability Plan.

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Local Plans and Regulations											
GOAL 2: Update and implement La Mesa's Climate Action Plan to support hazard mitigation efforts											
Address mitigation strategies for drought, extreme heat, flooding, hail, landslide, lightning, severe wind, severe winter weather, wildfire, etc through Climate Action Plan implementation actions	1	1	1	1	1	1	0	1	1	1	9
Address a risk assessment associated with hazards which may require enhanced evacuation strategies	1	0	1	1	1	0	0	1	1	1	7
Increase public awareness and knowledge of damages and losses due to climate change through community awareness	1	1	0	1	1	0	1	1	1	1	8

Table 6.1.1: Mitigation Action Evaluation – 6.1 Data

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects											
GOAL 1: Stabilize the long-term water supply and provide the city with a significant source of water in order to augment existing sources											
Treat wastewater and deliver it to local reservoirs for raw water supply to better mitigate the effects of drought	1	0	1	1	1	1	0	1	1	1	8
Work with other regional governments and water providers as part of the multi-phased program called Pure Water San Diego, to treat wastewater and deliver it to local reservoirs for raw water supply.	1	0	1	1	1	1	0	1	1	1	8

Table 6.1.2: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects											
GOAL 3: Mitigate seasonal street flooding through improvements to the storm drain system											
Improve drainage system to address the dangers of possible flood damage to public infrastructure.	1	1	1	1	1	1	0	1	1	1	9
Enhance current regional efforts with regard to seasonal flooding.	1	1	1	1	1	1	0	1	1	1	9

Table 6.1.3: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects (contd.)											
GOAL 4: Reduce the possibility of damage and losses to existing assets, including people and critical infrastructure, due to structure fire / wildland fire.											
Maintain adequate emergency response capability	1	1	0	1	1	0	0	1	1	1	7
Develop a comprehensive approach to reducing the possibility of damage and losses due to structure and wildland fire	1	1	1	1	1	1	0	1	1	1	9
Coordinate with and support existing efforts to mitigate structural and wildland fire	1	1	1	1	1	1	0	1	1	1	9
Maintain GIS mapping to best reflect potential vulnerability of assets from structural and wildland fire	1	1	1	1	1	0	0	1	0	1	7

Table 6.1.4: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects (contd.)											
Goal 6: Incorporate the use of energy efficient systems, including solar and battery projects to reduce the probability of black/brown outs during extreme heat											
Coordinate with Energy Services Company (ESCO) to identify City facilities that would benefit the most from improving energy systems	1	0	1	1	1	1	0	1	1	1	8
Due to essential functions ensure City facilities have reliable energy efficient systems, including solar and battery storage to operate during a black/brown out	1	0	1	1	1	1	0	1	1	1	8

Table 6.1.5: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects (contd.)											
Goal 8: Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and City-owned facilities, due to other manmade hazards.											
Maintain adequate planning and emergency response capability	1	1	1	1	1	1	0	1	1	1	9
Develop a comprehensive approach to reducing the possibility of damage and losses due to manmade hazards	1	1	1	1	1	0	0	1	1	1	8
Coordinate with and support existing efforts to mitigate manmade hazards	1	1	1	1	1	0	0	1	1	1	8
Maintain IT awareness and GIS mapping to best reflect potential vulnerability of assets from manmade hazards	1	1	1	1	1	0	0	1	1	1	8

Table 6.1.6: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects (cont.)											
Goal 9: Reduce the probability of injury to people as well as minimize damage and loss of existing infrastructure (to include critical facilities) due to hazardous materials incidents.											
Maintain adequate emergency response capability	1	1	1	1	1	1	0	1	1	1	9
Develop a comprehensive approach to reducing the possibility of damage and losses due to hazardous materials incidents	1	1	1	1	1	0	0	1	1	1	8
Coordinate with and support existing efforts to mitigate hazardous materials incidents	1	1	1	1	1	0	0	1	1	1	8
Maintain GIS mapping to best reflect potential vulnerability of assets from hazardous materials	1	1	1	1	1	0	0	1	1	1	8

Table 6.1.7: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Natural Systems Protection											
GOAL 5: Urban Forest Management											
Address extreme heat, erosion, landslide, and wildfire hazards through the implementation of the La Mesa Urban Forest Management Plan.	1	0	1	1	1	1	0	1	1	1	8
Implementation activities include education and outreach, tree planting programs, ordinance updates, arborists, etc.	1	0	1	1	1	1	0	1	1	1	8

Table 6.1.8: Mitigation Action Evaluation – 6.1 Data Continued

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Education and Awareness Programs											
GOAL 7: Increase public understanding and support for effective hazard mitigation											
Educate the public to increase awareness of hazards and opportunities for mitigation actions	1	0	1	1	1	1	0	1	0	1	7
Promote partnerships between the state, counties, and local jurisdictions and agencies to identify, prioritize, and implement mitigation actions	1	0	1	1	1	1	1	1	1	1	9
Work with the Chamber of Commerce, other businesses, and local agencies to promote hazard mitigation within the city	1	1	1	1	1	1	1	1	1	1	10

Table 6.1.9: Mitigation Action Evaluation – 6.1 Data Continued

6.2 Mitigation Action Implementation

In large part, hazard priorities remained unchanged from the last plan, though some hazards' (such as Climate Change, Drought, and Extreme Heat) prevalence and/or probability of occurrence increased and, therefore, needed an updated Vulnerability Assessment.

The information contained within this plan, including results from the Risk Assessment, and the Mitigation Strategy will be used by the City to help inform updates and the development of local plans, programs and policies. The City's Public Works Department may use the hazard information when implementing forestry, street, and solid waste division projects. The Engineering Department may utilize the hazard information when implementing water, wastewater reclamation, and environmental projects that are part of the City's Capital Improvement Program. This plan's goals and actions were updated from the last version to reflect current priorities within existing plans, including the El Cajon General Plan's Safety Element and the city's Sustainability Plan. This plan's goals and actions were updated from the last version to reflect current priorities within existing plans, including the La Mesa General Plan's Safety Element and the Climate Action Plan.

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Stabilize the long-term water supply* • Work with other regional governments and water providers as part of the multi-phased program called Pure Water San Diego, to treat wastewater and deliver it to local reservoirs for raw water supply.
Background/Issue:	The City of La Mesa would like to ensure a stable, drought resistant water supply for its residents.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	City of La Mesa – Public Works
Partners:	• San Diego County Water Authority • Helix Water District • Pure Water Advisory Panel • State Water Board
Potential Funding:	• Ratepayers • Wastewater funds • Grants • Federal/State Funding
Cost Estimate:	Phase 1 $1-$2 Billion Phase 2 $3-5 Billion
Benefits: (Losses Avoided)	Reduction of dependency on other regions to supply San Diego's water needs. Mitigate long term water cost hazards. Create a sizable supply buffer to combat drought conditions.
Timeline:	Phase 1 2025 Phase 2 2035
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Implement La Mesa's Climate Action Plan to support hazard mitigation efforts* Action: Utilize City and individual department outreach efforts to increase public awareness of the city's Climate Action Plan, and on the possible effects of climate change.
Background/Issue:	The City of La Mesa has a desire to mitigate the effects of climate change and to keep its Climate Action Plan consistent with current legislative requirements and supportive of effective hazard mitigation planning
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	All City of La Mesa Departments
Partners:	• San Diego Association of Governments • San Diego Gas & Electric • San Diego Community Power, • Helix Water District • EDCO • County of San Diego • CalRecyle • CalFire • CalTrans
Potential Funding:	• City General Fund • Any available grants
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response
Benefits: (Losses Avoided)	Keeping La Mesa's Climate Action current with legislative requirements and support effective hazard mitigation planning
Timeline:	2023 - 2028
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Mitigate seasonal street flooding* Action: Improve drainage system to address the dangers of possible flood damage to public infrastructure through participation in current regional efforts with regard to seasonal flooding.
Background/Issue:	The City of La Mesa has occasional flooding issues affecting roadways and public infrastructure in some low lying areas.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	City of La Mesa
Partners:	• Salvation Army Kroc Center • City of San Diego (Easements)
Potential Funding:	FEMA/Cal OES Hazard Mitigation Funding
Cost Estimate:	$2.5-$3.5 Million
Benefits: (Losses Avoided)	Damage to public and private property and neutralizing traffic hazards due to flooding.
Timeline:	2023-2024
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Reduce the possibility of damage and losses to existing assets due to structure fire / wildland fire.* Action: Maintain GIS mapping to best reflect potential vulnerability of assets from structural and wildland fire. Action: Incorporate public messaging and awareness through City newsletters and other materials, educating the public on how to reduce structure/wildfire risk at home
Background/Issue:	The City of La Mesa has experienced damage and losses due to fire.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	Heartland Fire & Rescue / La Mesa Fire Department
Partners:	La Mesa Public Works La Mesa Community Services La Mesa GIS
Potential Funding:	City General Fund
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response
Benefits: (Losses Avoided)	Reducing the possibility of damage and losses to existing assets, including people and critical infrastructure, due to structure fire / wildland fire.
Timeline:	2023 - 2028
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Urban Forest Management Plan* Action: Address extreme heat, erosion, landslide, and wildfire hazards through the implementation of the La Mesa Urban Forest Management Plan. Action: Implementation activities include education and outreach, tree planting programs, ordinance updates, arborists, etc.
Background/Issue:	The City of La Mesa is committed to expanding and maintaining the City's urban canopy.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	City of La Mesa Public Works Department and Community Development
Partners:	• Tree San Diego • Urban Corps • CalFire • Dudek Consultants • La Mesa Park and Recreation Foundation
Potential Funding:	General Fund and grants
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response
Benefits: (Losses Avoided)	• Shade canopy to reduce the urban heat island effect and improve energy efficiency in buildings • Prevents soil erosion and landslides with soil stabilization • Wildfire risk reduction due to the maintenance of a healthy tree canopy
Timeline:	2023 -2028
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	Reduce the probability of black/brown outs during extreme heat events. Action: Identify City facilities that would benefit the most from improving energy systems reliable energy efficient systems, including solar and battery storage to operate during a black/brown out
Background/Issue:	The City of La Mesa has experienced extreme heat during the summer months. The City has a high number of elderly residents as well as buildings that have inefficient systems that power them. More recently, buildings systems have failed due to excessive use to keep residents cool, thus contributing to black/brown outs.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	City of La Mesa Public Works
Partners:	Energy Services Company (consultant)
Potential Funding:	• General Fund • Capital Improvement Program (CIP) budget
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response.
Benefits: (Losses Avoided)	• More efficient buildings, lowering the use of electrical power • Lessen the probability of brown/black outs • Diversify the City's energy supply • Battery storage and solar at essential City buildings in case of a brown/black out
Timeline:	2023 - 2028
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Increase public understanding and support for effective hazard mitigation* *La Mesa Safety Element* Educate the public to increase awareness of hazards and opportunities for mitigation actions Promote partnerships between the state, counties, and local jurisdictions and agencies to identify, prioritize, and implement mitigation actions Work with the Chamber of Commerce, other businesses, and local agencies to promote hazard mitigation within the city
Background/Issue:	To increase public understanding and support for effective hazard mitigation planning
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	• City of La Mesa Communications Department • City of La Mesa Fire Department / Heartland Fire & Rescue – Emergency Preparedness
Partners:	City of La Mesa Fire Department / Heartland Fire & Rescue – Emergency Preparedness
Potential Funding:	• General Fund • Potential grant funding
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response
Benefits: (Losses Avoided)	Increasing public awareness, understanding and support for effective hazard mitigation
Timeline:	2023 -2028
Priority:	Medium
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Reduce the possibility of damage and losses due to other manmade hazards.* Action: Maintain IT awareness and GIS mapping to best reflect potential vulnerability of assets from manmade hazards
Background/Issue:	The City of La Mesa has experienced damage and losses due to manmade hazards.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	Heartland Fire & Rescue / La Mesa Fire Department
Partners:	• La Mesa Public Works • La Mesa Police Department • La Mesa GIS • City Manager's Office
Potential Funding:	General Fund
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response
Benefits: (Losses Avoided)	Reducing the possibility of damage and losses to existing assets, including people and critical infrastructure, due to manmade hazards.
Timeline:	2023 -2028
Priority:	High
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

Jurisdiction:	City of La Mesa
Mitigation Action/Project Title:	*Reduce the probability of injury to people as well as minimize damage due to hazardous materials incidents.* Action: Maintain GIS mapping to best reflect potential vulnerability of assets from HAZMAT.
Background/Issue:	The City of La Mesa has experienced damage and losses due to hazardous materials incidents.
Ideas for Integration:	Actions can be integrated into existing city plans, such as the General Plan, written policies, City of El Cajon Municipal Codes and ordinances codes, as well as any futures updates to the previously mentioned plans, ordinances and codes.
Responsible Agency:	Heartland Fire & Rescue / La Mesa Fire Department
Partners:	La Mesa Public Works La Mesa Community Services La Mesa GIS San Diego County HAZMAT/CUPA
Potential Funding:	General Fund
Cost Estimate:	Undetermined. Varies, dependent upon cost at time of implementation and/or response
Benefits: (Losses Avoided)	Reducing the possibility of damage and losses to existing assets, including people and critical infrastructure, due to structure hazardous materials incidents.
Timeline:	2023 - 2028
Priority:	Medium
Worksheet Completed by:	Andy McKellar Emergency Preparedness Coordinator Heartland Fire & Rescue

7 SECTION SEVEN: Keep the Plan Current

Hazard Mitigation Plan maintenance is the process the planning team establishes to track the plan's implementation progress and to inform the plan update. Hazard Mitigation Plan updates provide the opportunity to consider how well the procedures established in the previously approved plan worked and revise them as needed.

This annex is part of the most recent *San Diego County Multi-Jurisdictional Hazard Mitigation Plan* update. The plan was last updated in 2018. See the *San Diego County Multi-Jurisdictional Hazard Mitigation Plan - 2018* for more information.

7.1 Mitigation Action Progress

Plan monitoring means tracking the implementation of the plan over time. The plan must identify how, when, and by whom the plan will be monitored.

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and State-owned facilities, due to other manmade hazards.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	o Project completed o **Project canceled** o Project on schedule o Anticipated completiondate:_____ o Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?
  - The actions identified in this project are no longer considered FOUO. They have been included in Goal 8 of the 2022 MJHMP update.
- What obstacles, problems, or delays did the project encounter?

  None
- If uncompleted, is the project still relevant? Should the project be changed or revised?
  This project is still relevant and remains ongoing
- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Promote disaster resistant future development	
Responsible Agency	La Mesa Fire Department / Heartland Fire & rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	○ Project completed ○ Project canceled ○ **Project on schedule** ○ Anticipated completiondate: Ongoing ○ Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?

  - Facilitate the updating of general plans and zoning ordinances to limit development in hazard areas.
    - The City's general plan was adopted in 2012, covering a 20 year planning period. The plan and all its sections have recently been updated.

  - Facilitate the adoption of building codes that protect renovated existing assets and new development in hazard areas.
    - Various uniform building codes that pertain to safety issues are updated as new regulations are put in place.

  - Restrict future development that exacerbates hazardous materials.
    - Environmental Impact Reports are required to assess risk.
    - During the inspection process, mitigation strategies are discussed to reduce risks.

- What obstacles, problems, or delays did the project encounter?

  None

- If uncompleted, is the project still relevant? Should the project be changed or revised?

  Project remains relevant and is ongoing.

- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Promote public understanding, support and demand for hazard mitigation.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	o Project completed o Project canceled o **Project on schedule** o Anticipated completiondate:_____ o Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?

  - Increase public awareness of hazards and opportunities for mitigation actions.

    - La Mesa utilizes established media including web page and Social Media sites to keep the public informed of mitigation activities.
    - The City continues hazard mitigation outreach to community members at public events, utilizing trained CERT members to provide information to residents.

  - Promote partnerships between the state, counties, local and tribal governments to identify, prioritize, and implement mitigation actions.
    - The City continues to collaborate with regional partners in Operational Area planning through its ongoing membership on the Unified Disaster Council.

- What obstacles, problems, or delays did the project encounter?

  COVID-10 restrictions somewhat inhibited this overall goal, but did not force cancellation.

- If uncompleted, is the project still relevant? Should the project be changed or revised?

  Collaborative planning will always have relevance in protecting the community and will continue to be ongoing.

- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Build and support local capacity and commitment to continuously become less vulnerable to hazards.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	o **Project completed** o Project canceled o **Project on schedule** o Anticipated completiondate:_____ o Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?

  - Increase awareness and knowledge of hazard mitigation principles and practice among City staff.
    - City staff has seen and are aware of the hazards as outlined in the City's Hazard mitigation and Climate action Plans.

  - Explore developing a web-based Hazard Mitigation Planning System and provide technical assistance.
    - The City has implemented the See-Click-Fix web based program where community members can go online to report hazards they encounter.

  - Continue to enhance the Emergency Operations Center (EOC)
    - In 2021 the City's EOC underwent a significant upgrade, ensuring that the technology remains relevant for at least the next 10 years.

- What obstacles, problems, or delays did the project encounter?

  None

- If uncompleted, is the project still relevant? Should the project be changed or revised?

  Portions of this project remain relevant and will continue to remain ongoing.

- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Improve hazard mitigation coordination and communication with federal, state, local and tribal governments.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	o Project completed o Project canceled o **Project on schedule** o Anticipated completiondate:_____ o Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?

  - Establish and maintain closer working relationships with state agencies, local and tribal governments.
    - The City continues to support local partnerships, with participation on the Unified Disaster Council (UDC) and Urban Area Working Group (UAWG) and the coordination of Automatic and Mutual aid agreements.

- What obstacles, problems, or delays did the project encounter?

  Occasional issues encountered due to COVID-19 restrictions.

- If uncompleted, is the project still relevant? Should the project be changed or revised?

  The project will remain relevant and will be ongoing.

- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and State-owned facilities, due to floods.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	○ Project completed ○ Project canceled ○ **Project on schedule** ○ Anticipatedcompletiondate:_____ ○ Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?
  - Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.
    - La Mesa continues to ensure finish floor elevations of new development are at least above the 100-year floodplain.
    - The City continues to require drainage studies for major projects in order to ensure adequate measures are incorporated in the project and that they do not adversely affect downstream or other surrounding properties.
    - The City continues to design new critical facilities in such a way as to minimize potential flood damage.
  - Protect existing assets with the highest relative vulnerability to the effects of floods within the 100-year floodplain.
    - The City continues its efforts to maintain flood control channels and storm drains, in accordance with habitat preservation policies, through periodic dredging, repair, de-silting, and clearing to prevent any loss in their effective use.
    - La Mesa continues to participate in the National Flood Insurance Program (NFIP) and requirement to review applications for conformance with the NFIP standards
  - Minimize repetitive losses caused by flooding by analyzing historical losses.
    - La Mesa continues preventative maintenance and inspection of floodway structures, storm drains, etc. consistent with applicable standards.
    - The City continues to improve drainage courses in an environmentally sensitive manner to eliminate repetitive events.
- What obstacles, problems, or delays did the project encounter? None
- If uncompleted, is the project still relevant? Should the project be changed or revised? The project remains relevant and ongoing
- Other Comments - None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and State-owned facilities, due to wildfires.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	○ Project completed ○ Project canceled ○ **Project on schedule** ○ Anticipatedcompletiondate:_____ ○ Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?
  - Develop a comprehensive approach to reducing the possibility of damage and losses due to wildfires.
    - The City continues to require the application of California Fire Code pertaining to Fire Protection Plans (FPP). The FPP will provide for 100' of vegetation management (per CA Government Code 51182 and the MOU between the U.S. Fish and Wildlife Service, Calif. Department of Fish and Game, CDF, and the San Diego County Fire Chiefs Association) around all new structures or require equivalent construction methods as determined by a technical fire analysis as defined by Local Response Fire Hazard Zone determination.
    - The City continues to ensure that street widths, paving, and grades can accommodate emergency vehicles. La Mesa also requires 30' of vegetation management on all street segments without improved lots
    - La Mesa requires fire resistant construction materials in all areas.

- What obstacles, problems, or delays did the project encounter?

  None

- If uncompleted, is the project still relevant? Should the project be changed or revised?

  The project remains relevant and ongoing

- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and State-owned facilities, due to dam failure.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	○ Project completed ○ Project canceled ○ **Project on schedule** ○ Anticipatedcompletiondate:_____ ○ Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?
  - Develop a comprehensive approach to reducing the possibility of damage and losses due to dam failure.
    - Although the nearest dam (Lake Murray) lies outside City limits, La Mesa monitors and cooperates with the City of San Diego to reduce the possible effects of dam failure to the City of La Mesa.

- What obstacles, problems, or delays did the project encounter?
  None

- If uncompleted, is the project still relevant? Should the project be changed or revised?
  This project remains ongoing.

- Other comments
  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and State-owned facilities, due to geological hazards.	
Responsible Agency	La Mesa Fire Department / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	○ Project completed ○ Project canceled ○ **Project on schedule** ○ Anticipatedcompletiondate:_____ ○ Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?
  - Develop a comprehensive approach to reducing the possibility of damage and losses due to geological hazards.
    - The City continue to require a Geotechnical Investigation Report and a report of satisfactory placement of fill prepared by a licensed civil engineer for all building and structures supported on fill.
    - The City continue to require a preliminary report for all buildings and structures supported on natural ground unless the foundations have been designed in accordance with Table No. 1806.2 of the Building Code.
  - Protect existing assets with the highest relative vulnerability to the effects of geologic hazards.
    - The City continues to require seismic retrofits for major renovations in accordance with Historic and Building Code provisions.
    - The City continues to utilize the California Building Code for Building Conservation for non-historic buildings.
- What obstacles, problems, or delays did the project encounter?

  None
- If uncompleted, is the project still relevant? Should the project be changed or revised?

  This project remains ongoing.
- Other comments

  None

Mitigation Action Progress Report Form

Progress Report Period	From Date: February 2018	To Date: February 2023
Action/Project Title	Reduce the possibility of damage and losses to existing assets, particularly people, critical facilities/infrastructure, and State-owned facilities, due to severe weather as a possible result of the effects of climate change (i.e. El Nino storms/thunderstorms, lightening, extreme heat, drought).	
Responsible Agency	La Mesa / Heartland Fire & Rescue	
Contact Name	Andy McKellar	
Contact Phone/Email	619-772-2897 amckellar@heartlandfire.org	
Project Status	○ Project completed ○ Project canceled ○ **Project on schedule** ○ Anticipated completion date:_____ ○ Project delayed Explain _____	

Summary of Project Progress for this Report Period

- What was accomplished for this project during this reporting period?
  - Develop a comprehensive approach to reducing the possibility of damage and losses due to severe weather.
    - La Mesa is currently involved in a regional project to upgrade the current storm drain system.
  - Protect existing assets with the highest relative vulnerability to the effects of severe weather
    - Protect existing essential service facilities by retrofitting or maintaining severe weather utilities and infrastructure such as emergency generators, heating, ventilation and air conditioning systems, and information technology, etc.
  - Educate the community about drought, its potential impacts and individual mitigation techniques that they can engage in to help to prevent or reduce the impact of drought.
    - La Mesa has developed and adopted a local Climate Action Plan which is available to all residents on the City website.
    - La Mesa provides educational materials on severe weather and mitigation strategies on the city and disaster preparedness website and through social media.
    - La Mesa has engaged in a variety of direct community outreach events in order to educate the community on drought, its potential impacts and individual mitigation techniques.
- What obstacles, problems, or delays did the project encounter?

  The main obstacle encountered with this goal was the COVID-19 pandemic and the required social distancing. For this reason, many of the public events that would normally take place were cancelled. However, the city continued to provide information through social media.
- If uncompleted, is the project still relevant? Should the project be changed or revised?

  The goal is still relevant and public education remains ongoing.
- Other comments – None

7.2 Plan Update Evaluation

Plan Section	Considerations	Explanation
Planning Process	Should new jurisdictions and/or districts be invited to participate in future plan updates?	Yes, as new business and/or community sector organizations form during the next project period
	Have any internal or external agencies been invaluable to the mitigation strategy?	La Mesa Public Works – Engineering La Mesa Public Works – Environmental Sustainability La Mesa Police Department La Mesa / Heartland Fire & Rescue - Emergency Management La Mesa / Heartland Fire & Rescue - Emergency Services La Mesa / Heartland Fire & Rescue - Fire Prevention La Mesa Information Technology Department - GIS Community Emergency Response Team (CERT)
	Can any procedures (e.g., meeting announcements, plan updates) be done differently or more efficiently?	Yes, the continuance of virtual meetings developed during the worldwide pandemic.
	Has the Planning Team undertaken any public outreach activities?	Yes, a variety of outreach activities continue to be developed and implemented and are ongoing.
	How can public participation be improved?	While we already have strong community support, La Mesa continues to seek ways to improve public participation.
	Have there been any changes in public support and/or decision- maker priorities related to hazard mitigation?	The COVID-19 pandemic showed conflicting priorities related to public support of mitigation efforts.
Capability Assessment	Have jurisdictions adopted new policies, plans, regulations, or reports that could be incorporated into this plan?	Yes, updated hazard mitigation plans are part of an ongoing aspect of La Mesa's mitigation efforts.
	Are there different or additional administrative, human, technical, and financial resources available for mitigation planning?	As staff positions change, and budget priorities shift, this capability may see some limitation of available resources.
	Are there different or new education and outreach programs and resources available for mitigation activities?	La Mesa is always striving to incorporate new outreach programs and resources into its mitigation activities.
	Has NFIP participation changed in the participating jurisdictions?	No change indicated.

Table 7.1.1: Plan Update Evaluation

Plan Section	Considerations	Explanation
Risk Assessment	Has a natural and/or technical or human-caused disaster occurred?	COVID-19 pandemic.
	Should the list of hazards addressed in the plan be modified?	Only if currently unknown, significant threats should develop.
	Are there new data sources and/or additional maps and studies available? If so, what are they and what have they revealed? Should the information be incorporated into future plan updates?	As new sources of GIS products, and technological tools (mobile apps, etc.) emerge, they will be identified and incorporated in future plans.
	Do any new critical facilities or infrastructure need to be added to the asset lists?	Not at this time.
	Have any changes in development trends occurred that could create additional risks?	Any significant changes in development trends will be monitored and addressed in plan updates.
	Are there repetitive losses and/or severe repetitive losses to document?	According to the 2022 FEMA Repetitive Loss Summary Report, The City of La Mesa has 2 Repetitive Loss properties and no Severe Repetitive Loss properties.
Mitigation Strategy	Is the mitigation strategy being implemented as anticipated? Were the cost and timeline estimates accurate?	Yes
	Should new mitigation actions be added to the Action Plan? Should existing mitigation actions be revised or eliminated from the plan?	As additional migration actions are identified, they will be considered for addition to the plan.
	Are there new obstacles that were not anticipated in the plan that will need to be considered in the next plan update?	Unknown
	Are there new funding sources to consider?	Unknown
	Have elements of the plan been incorporated into other planning mechanisms?	Yes, the Mitigation Plan was used to inform the City's Climate Action Plan.
Plan Maintenance Procedures	Was the plan monitored and evaluated as anticipated?	Yes
	What are needed improvements to the procedures?	Ensure continued monitoring and evaluation by Emergency Management and involved city departments during the next project period.

TABLE 7.3.2: PLAN UPDATE EVALUATION

7.3 Plan Implementation and Integration

Following adoption of the Multi-Jurisdictional Hazard Mitigation Plan by the San Diego County Board of Supervisors, the City of El Cajon Local Planning Group will present the El Cajon Annex to City Council for approval. After adoption by the City, documentation of implementation of the Mitigation Actions will begin.

The Mitigation Actions will be used to inform future iterations and updates of the General Plan and its Safety Element, the Emergency Operations Plan, the Sustainability Plan, and any other future plans that were the Hazard Mitigation plan could have bearing.

Leadership from all City departments meet on a regular basis to review all new plans submitted to the City, and all departmental improvements submitted. Each department reviews all plans and must approve them before moving forward with implementation.