

**Multi-Jurisdictional
Hazard Mitigation Plan:
City of National City Annex
San Diego County, California
June 2022**

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1. SECTION ONE: Determine the Planning Area and Resources

1.1. Planning Area: City of National City

National City is the second oldest incorporated city in San Diego County. Just five miles south of downtown San Diego, National City is the South Bay's center of industrial activity. The economy is based on manufacturing, shipbuilding and repair, and retail commercial sales. The San Diego Naval Station, which overlaps San Diego and National City is the largest naval facility in the country. There are a great number of historical sites in National City and homes in the area are usually 50 years or older. Stately Victorians reflect the early part of the century when shipping and import/export magnates lived here. Served by National Elementary and Sweetwater High School districts, National City also offers several private schools for all grade levels. National City is best known for its Mile of Cars; the title describing its abundant auto dealerships. Two large shopping malls, Westfield Plaza Bonita and South Bay Plaza, are located in National City.

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>.

TABLE 1: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 1.1 DESCRIBES THE CRS REQUIREMENTS MET BY THE SAN DIEGO COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN.

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	
	Task 8: Review and Adopt the Plan

SECTION ONE | Determine the Planning Area and Resources

Step 9. 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)

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 it 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: Build the Planning Team

2.1. Planning Participants

City representatives met with subject matter experts and/or OES to specifically discuss hazard-related goals, objectives and actions as they related to the overall Plan. Representatives of numerous City departments involved in hazard mitigation planning, including Fire, Police, Planning, and Engineering provided input. National City's planning participants were:

- Roberto Yano, Director of Public Works/City Engineer (Engineering/Public Works Department)
- Walter Amedee, Management Analyst III (Fire Department)
- Martin Reeder, Planning Manager (Community Development Department)
- Frank Parra, Chief of Emergency Services (Fire Department)

2.2. Planning Process

National City's planning process involved decision-makers from fire/emergency services, community development/planning, engineering/public works, and emergency management personnel. From May to July 2021, planning participants attended a series of hazard webinar regarding potential hazards that may affect jurisdictions to include:

- Dam Failure
- Pandemic Disease
- Terrorism & Cyber Threats
- Extreme Heat
- Wildfire
- Flood
- Rain-Induced Landslide
- Drought
- Coastal Storm/Sea Level Rise/Cliff Erosion/Tsunami
- Earthquake (two sessions)
- Climate Change (two sessions)

Based on the above webinars, planning participants identified specific hazards/risks that were of concern to National City and began the process of thinking about possible hazard mitigation actions. Planning participants were provided hazard mitigation planning worksheets at the meetings that were based on FEMA's Local Mitigation Planning Guide, which led the planning participants through the process of defining National City's assets, vulnerabilities, capabilities, goals and objectives, and mitigation action items. Several Hazard Mitigation Planning meetings were held regularly to provide assistance. In the end, planning participants developed preliminary goals, objectives and mitigation actions that are presented in this document.

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

3. SECTION THREE: Create an 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: Review 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 planning team also may 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

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:

TABLE 2: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.1 DATA.

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 (2012)	National City General Plan – Safety Element Yes / No / Yes
Capital Improvements Plan	Yes (2021)	Yes / Yes / Yes
Economic Development Plan	No	
Local Emergency Operations Plan	Yes (2020)	Yes / No / Yes
Continuity of Operations Plan	Yes (2020)	National City Continuity of Operations Plan Yes / Yes / Yes
Transportation Plan	Yes (2012)	National City General Plan – Circulation Element No / No / No

SECTION FIVE | Conduct a Risk Assessment

Stormwater Management Plan	Yes	Storm Water Management Plan does address hazards. It requires that all projects are submitted with a completed Storm Water BMP Applicability Checklist. This will determine the priority of the project, steps needed to mitigate all storm water hazards from the site and ensures that the BMPs are properly maintained by requiring that a BMP Maintenance Agreement be entered into and recorded. Yes / Yes / Yes
Community Wildfire Protection Plan	No	
M. Real estate disclosure requirements	Yes (2011)	Climate Action Plan No / No / No
Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)		
How can these capabilities be expanded and improved to reduce risk?		
Future opportunities for regulatory enhancement should focus on amending the City of National City’s General Plan Safety Element to incorporate the 2022-2027 San Diego County MJHMP and City of National City Annex by reference.		

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:

TABLE 3: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.1 DATA CONTINUED.

Administration	Yes/No	Describe capability Is coordination effective?
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	The employs a Planning Manager who is knowledgeable of land development and land management practices.
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	The City employs a variety of professionals trained in engineering and construction practices to include registered civil engineers, graduates of engineering schools, and persons with military and private development/construction experiences related to their fields.
Planners or Engineer(s) with an understanding of natural and/or manmade hazards	Yes	The City employs persons and has on contract professionals and engineers trained in these areas to identify, and design solutions for natural and manmade hazards.

SECTION FIVE | Conduct a Risk Assessment

Mitigation Planning Committee	Yes	The City uses a variety of employees from Fire, Engineering, Planning, and Building Departments to develop hazard mitigation plans.
Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems)	Yes	The City has in place a standard schedule for tree trimming in which the city is divided into grid zones that are placed in a routine trimming program. The City has a sanitary sewer maintenance program that places the highest priority mains on a monthly flushing program and all others onto a routine flushing program. Major storm drain channels and culverts to include open channels are cleaned when forecasts indicate a rain fall of one half inch (1/2") or greater. All storm drains, culverts and channels are routinely cleaned during the year.
Mutual aid agreements	Yes	The City has several mutual aid agreements that can be drawn upon to assist after a disaster such as Fire, Building, and Public Works assets and personnel.
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	The City Building Official conducts inspection services that involve heating, plumbing, electrical, housing, and building; reviews plans and specifications for all building construction or repairs to ensure compliance with all building and zoning codes and ordinances prior to issuing permits for work to begin; investigates and follows up on complaints regarding building, zoning, and other property related ordinances.
Floodplain Administrator	Yes/FT	The municipal code identifies the City Engineer as the floodplain administrator. The city engineer is a qualified profession and has appointed personnel to oversee the program and has had those persons attend classes on the administration of the NFIP. City employs persons that have training in identifying hazards and mitigations and retains professional engineers on contract. The City coordinates routinely with the local FEMA offices on various submittals using staff and consultants and has recently updated the municipal code to ensure compliance. Proof of compliance was forwarded to FEMA as required.
Emergency Manager	Yes/FT	The City's Emergency Manager (Management Analyst III) is responsible for coordinating the City's emergency management program. The primary functions are to ensure the City is prepared in the event of a major emergency situation; maintaining the City's Emergency Operations Plan and managing the Emergency Operations Center (EOC); coordinating emergency

SECTION FIVE | Conduct a Risk Assessment

		management training for City staff and the Community Emergency Response Team.
Surveyors	No	
Staff with education or expertise to assess the community’s vulnerability to hazards	Yes/FT	The City’s Emergency Manager (Management Analyst III) works with the County and surrounding jurisdictions to assess community vulnerability to hazards. These hazard specific risks are then mitigated in various plans (e.g. Emergency Operations Plan, Hazard Mitigation Plan, Continuity of Operations Plan, and Disaster Debris Removal Plan).
Community Planner	Yes/FT	No / No / Yes
Scientists familiar with the hazards of the community	No	
Civil Engineer	Yes/FT	The City Engineer has authority granted by the City Council in the municipal code to enforce all regulations regarding the floodplain administration. The City Engineer is a graduate with a degree in civil engineering and has been the city engineer either in an acting or full time capacity for 8 years.
Personnel skilled in GIS and/or HAZUS	No	
Grant writers	Yes/PT	The City employs several individuals who have received training on grant writing. Several departments (i.e. Fire, Engineering, and Police) have grant writers who perform other duties besides grant writing.
How can these capabilities be expanded and improved to reduce risk?		
Other future enhancements may include providing hazard training for staff or hazard mitigation grant funding in partnership with San Diego County and CalOES. Existing City staff are aware of the benefits of participating in training and webinars offered by CalOES Hazard Mitigation Assistance (HMA) Team related to HMGP opportunities, HMGP Sub application Development support, and other funding programs, such as Prepare California Jumpstart. Other opportunities to coordinate and educate key stakeholders may be interested in aligning efforts related to hazard mitigation and supporting HMGP applications and other hazard mitigation trainings.		

4.1.3. Financial

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

SECTION FIVE | Conduct a Risk Assessment

TABLE 4: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.1 DATA CONTINUED.

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)	Yes	The City receives CDBG funds that have not used in the recent past, but could be used to fund future mitigation actions.
Capital improvements project funding	Yes	The City's capital improvement plan is funded through federal, state, and local sources, and have been used toward mitigation efforts such as storm drain/flooding mitigation efforts.
Authority to levy taxes for specific purposes	Yes	The City has raised a 1 percent sales tax that has been used in the past to fund public safety projects.
Fees for water, sewer, gas, or electric service	Yes	The City charges fees for sewer transportation to the property owner which is collected through property taxes. Water, gas, and electric are provided by outside agencies.
Impact fees for homebuyers or developers for new developments/homes	Yes	The City charges a transportation development impact fee of \$2,405 per new residential unit.
Incur debt through general obligation bonds	Yes	The City currently has bond debt obligations that include payments on a \$4.885 million general obligation bond issued in 2012 to refund the general obligation bonds issued in 2003 for construction of the City's Library and on a \$5.5 million facilities lease issued in 2017, to finance the City's energy and water conservation project.
Incur debt through special tax and revenue bonds	Yes	The City charges a 1% sales tax revenue.
Incur debt through private activity bonds	No	
How can these capabilities be expanded and improved to reduce risk?		
<p>The City can update other plans, such as their CIP to incorporate hazard information and include hazard mitigation actions and climate adaptation strategies that relate to infrastructure systems resiliency associated with the water and wastewater systems. Once projects related to hazard mitigation are approved, the CIP uploaded to be shared with the community on the City's webpage. Capital investments and improvements related to seismic retrofits, cooling center upgrades, and water supply systems should all be emphasized in the outreach materials as they are related to hazard mitigation. Additionally, given the prioritization of flooding mitigation projects, the City should apply for HMGP grants to fund implementation costs associated with key CIP projects, and related projects in the City's mitigation strategy. These fiscal capabilities may be supported by City staff or augmented with Consultants.</p>		

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:

SECTION FIVE | Conduct a Risk Assessment

TABLE 5: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.1 DATA CONTINUED.

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	Environmental Health Coalition (EHC) works for environmental justice in the San Diego/Tijuana region and throughout California. Founded in 1980, EHC has worked to reduce pollution and improve health and well-being for thousands of people in underserved, low-income communities.
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Yes	The City’s Fire Department conducts school visits to teach children about fire safety. Various fire safety topics are available for each grade level.
Natural disaster or safety related school programs	Yes	The City’s Community Emergency Response Team (CERT) responds in the first few hours and days after a disaster. CERT members are taught basic disaster response skills, such as fire safety, light search and rescue, team organization, and disaster medical operations.
StormReady certification	No	
Firewise Communities certification	No	
Public-private partnership initiatives addressing disaster-related issues	No	
Other		
How can these capabilities be expanded and improved to reduce risk?		
The City can also expand their outreach capabilities related to the implementation of the 2022-2027 San Diego County MJHMP and the City of National City Annex. Specific enhancements may include continued public involvement through social media posts and advertisements focused on project successes related to the Annex Mitigation Strategy, and focused outreach to under-represented and special interest groups in the City. The City can also develop outreach kits for partner organizations.		

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:

SECTION FIVE | Conduct a Risk Assessment

TABLE 6: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.2 DATA.

Comprehensive Plan	Yes	No
Land Use		
1. Does the future land-use map clearly identify natural hazard areas?	Yes	
The City's Coastal Zone Overlay clearly identifies natural hazard areas.	Yes	
2. Do the land-use policies discourage development or redevelopment within natural hazard areas?	Yes	
The City's General Plan – Safety Element discourages development or redevelopment within natural hazard areas.	Yes	
3. Does the plan provide adequate space for expected future growth in areas located outside natural hazard areas?		No
Transportation		
1. Does the transportation plan limit access to hazard areas?	Yes	
2. Is transportation policy used to guide growth to safe locations?	Yes	
3. Are movement systems designed to function under disaster conditions (e.g., evacuation)?	Yes	

TABLE 7: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.2 DATA CONTINUED.

Comprehensive Plan (continued)	Yes	No
Environmental Management		
1. Are environmental systems that protect development from hazards identified and mapped?	Yes	
2. Do environmental policies maintain and restore protective ecosystems?	Yes	
3. Do environmental policies provide incentives to development that is located outside protective ecosystems?	Yes	
Public Safety		
1. Are the goals and policies of the comprehensive plan related to those of the FEMA Local Hazard Mitigation Plan?	Yes	
2. Is safety explicitly included in the plan's growth and development policies?	Yes	
3. Does the monitoring and implementation section of the plan cover safe growth objectives?	Yes	
National City's General Plan is designed to complement its land use pattern on the smart growth principles.		

TABLE 8: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 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?	Yes	
2. Does the ordinance contain natural hazard overlay zones that set conditions for land use within such zones?		No
3. Do rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use?	Yes	

SECTION FIVE | Conduct a Risk Assessment

4. Does the ordinance prohibit development within, or filling of, wetlands, floodways, and floodplains?	Yes	
Subdivision Regulations	Yes	No
1. Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas?		No
2. Do the regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources?		No
3. Do the regulations allow density transfers where hazard areas exist?		No

TABLE 9: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 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?	Yes	
The City CIP program does not encourage or discourage development in hazard areas; however, the City reviews all plans prior to construction and requires developers constructing in potential hazard areas to submit a Flood Hazard Area Development Permit, which will identify the hazard and mitigation to be implemented by the developer to protect against loss.		
2. Do infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards?	Yes	
The City is highly built out at approximately 90 to 95 percent. The physical build out limits the City from extending services and requires developers to pay for any additional service extensions.		
3. Does the capital improvement program provide funding for hazard mitigation projects identified in the FEMA Mitigation Plan?	Yes	
The City has limited funding and therefore pursues grant funding through the Engineering Department for mitigation of hazards.		
Other	Yes	No
1. Do small area or corridor plans recognize the need to avoid or mitigation natural hazards?	Yes	
2. Does the building code contain provisions to strengthen or elevate construction to withstand hazard forces?	Yes	
3. Do economic development or redevelopment strategies include provisions for mitigation natural hazards?	Yes	
4. Is there an adopted evacuation and shelter plan to deal with emergencies from natural hazards?	Yes	
The City's Emergency Operations Plan has an evacuation and shelter plan.		

Questions were adapted from Godschalk, David R. Practice Safe Growth Audits, Zoning Practice, Issue Number 10, October 2009, American Planning Association.

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

SECTION FIVE | Conduct a Risk Assessment

participate. Plan updates must meet the same requirements and document any change in floodplain management programs.

The City of National City is a participant in FEMA’s National Flood Insurance Program (NFIP). This program provides flood insurance for structures located within the floodplain areas in the city and as designated by FEMA. The City of National City manages the permitting of any proposed developments and improvements within the floodplain areas per the FEMA guidelines and requirements, State of California Department of Water Resources Model Floodplain Management Ordinance and the City of National City Floodplain Ordinance, and keeps up to date copies of the Flood Insurance Rate Maps (FIRM). These maps are used to assist constituents in answering their questions regarding the 100-year flood elevations and boundaries within the floodplain areas. Any proposed changes to these maps are processed by the City through FEMA.

TABLE 10: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.3 DATA.

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	Not Known
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	Not Known
How many structures are exposed to flood risk within the community?	Community Floodplain Administrator (FPA)	169
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA and FEMA Insurance Specialist	Area of Paradise Creek between Paradise Valley Rd and the Easterly City Limit
Staff Resources		
Is the Community FPA or NFIP Coordinator certified?	Community FPA	No
Is floodplain management an auxiliary function?	Community FPA	Yes
Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	Community FPA	Review of grading and building plans, review of Flood Hazard Area Development Permit, Coordinate with Project Engineers for certification of buildings and filing for LOMA< LOMR< and Elev. Cert. Recertification of levees as required.

SECTION FIVE | Conduct a Risk Assessment

What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	Staffing
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)?		Unknown
Is a CAV or CAC scheduled or needed?		Unknown

TABLE 11: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 4.3 DATA CONTINUED.

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	10/1/1994 (San Diego County)
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	Flood development regulations meet FEMA and State minimum requirements. Municipal Code Section 18.29.070 uses the most restrictive regulation of FEMA or State, FEMA is used if there appears to be a conflict.
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	A flood Hazard Area Development Permit (FHADP) is required to be submitted with grading plans for all proposed projects within a flood zone area. The FHADP will determine if an Elevation Cert., CLOMR, or CLOMA is to be processed during the review process. Grading and building plans are reviewed to ensure all requirements are shown prior to permits being issued. The construction inspector observes the placement of fill and compaction for the development of the building pad and collects pad certifications from the project soils engineer and civil engineer. Building permits are withheld until

SECTION FIVE | Conduct a Risk Assessment

		the pad has been certified. The building inspector will ensure that the construction of the foundation and structure is done according to the plans.
Community Rating System (CRS)		
Does the community participate in CRS?	Community FPA, State, FEMA NFIP	Yes, the County of San Diego participates in CRS.
What is the community's CRS Class Ranking?	Flood Insurance Manual http://www.fema.gov/flood-insurance-manual	The CRS Class Ranking is a 7.
What categories and activities provide CRS points and how can the class be improved?		Unknown
Does the plan include CRS planning requirements	Community FPA, FEMA CRS Coordinator, ISO representative	Unknown

5. SECTION FIVE: Conduct a Risk Assessment

The planning team conducts 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.

In addition to informing the mitigation strategy, the risk assessment also can be used to establish emergency preparedness and response priorities, for land use and comprehensive planning, and for decision making by elected officials, city and county departments, businesses, and organizations in the community.

5.1. Hazards Summary

Summarize hazard description information and identify which hazards are most significant to the planning area:

TABLE 12: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 5.1 DATA.

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

SECTION FIVE | Conduct a Risk Assessment

Subsidence	Negligible	Weak	Unlikely	Low
Tornado	Negligible	Weak	Unlikely	Low
Tsunami	Limited	Moderate	Occasional	Low
Wildfire	Extensive	Severe	Occasional	High

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

TABLE 13: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 5.1 DATA.

Hazard	Scale / Index	Weak	Moderate	Severe	Extreme
Drought	Palmer Drought Severity Index ³	-1.99 to +1.99	-2.00 to -2.99	-3.00 to -3.99	-4.00 and below
Earthquake	Modified Mercalli Scale ⁴	I to IV	V to VII	VII	IX to XII
	Richter Magnitude ⁵	2, 3	4, 5	6	7, 8
Hurricane Wind	Saffir-Simpson Hurricane Wind Scale ⁶	1	2	3	4, 5
Tornado	Fujita Tornado Damage Scale ⁷	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.

SECTION FIVE | Conduct a Risk Assessment

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>

After reviewing Hazards Summary table above, the following were identified as National City's top hazards:

- **Earthquakes:** proximity to local faults (e.g. Rose Canyon Fault); older structures; potential for loss of life, injuries, and damage to property, as well as disruption of services is significant
- **Wildfire:** particularly after a major earthquake can result in single family houses causing multiple ignitions with few resources available to stop the wildfire
- **Dam Failure/Floods:** Sweetwater dam failure
- **Hazmat Release:** three freeways (i.e. I-5, I-805, & SR-54) and railway pass through the City making it susceptible to hazardous spills, releases, or accidents; several industrial facilities in the City handle hazardous materials on a regular basis
- **Structure Fires:** older structures
- **Tsunami:** proximity to waterfront may affect maritime business industry

National City has the following list of critical assets/facilities that are of particular concern when considering the potential effects of hazards:

- Police Station - 1
- Fire Stations - 3
- Emergency Operations Center – 2
- Hospital – 1

5.2. Hazards Detail

5.2.1. 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. Common effects of earthquakes are ground motion and shaking, surface fault ruptures, and ground failure. Earthquakes also can trigger many secondary effects, such as landslides and rock falls, urban wildfires, building collapse, water tank or dam failures, disruption of essential facilities and systems (water, sewer, gas, electricity, transportation, and communications), and hazardous materials release.

There are five faults located near National City. They are listed below, including the most probable maximum Richter scale magnitude earthquake that each might cause:

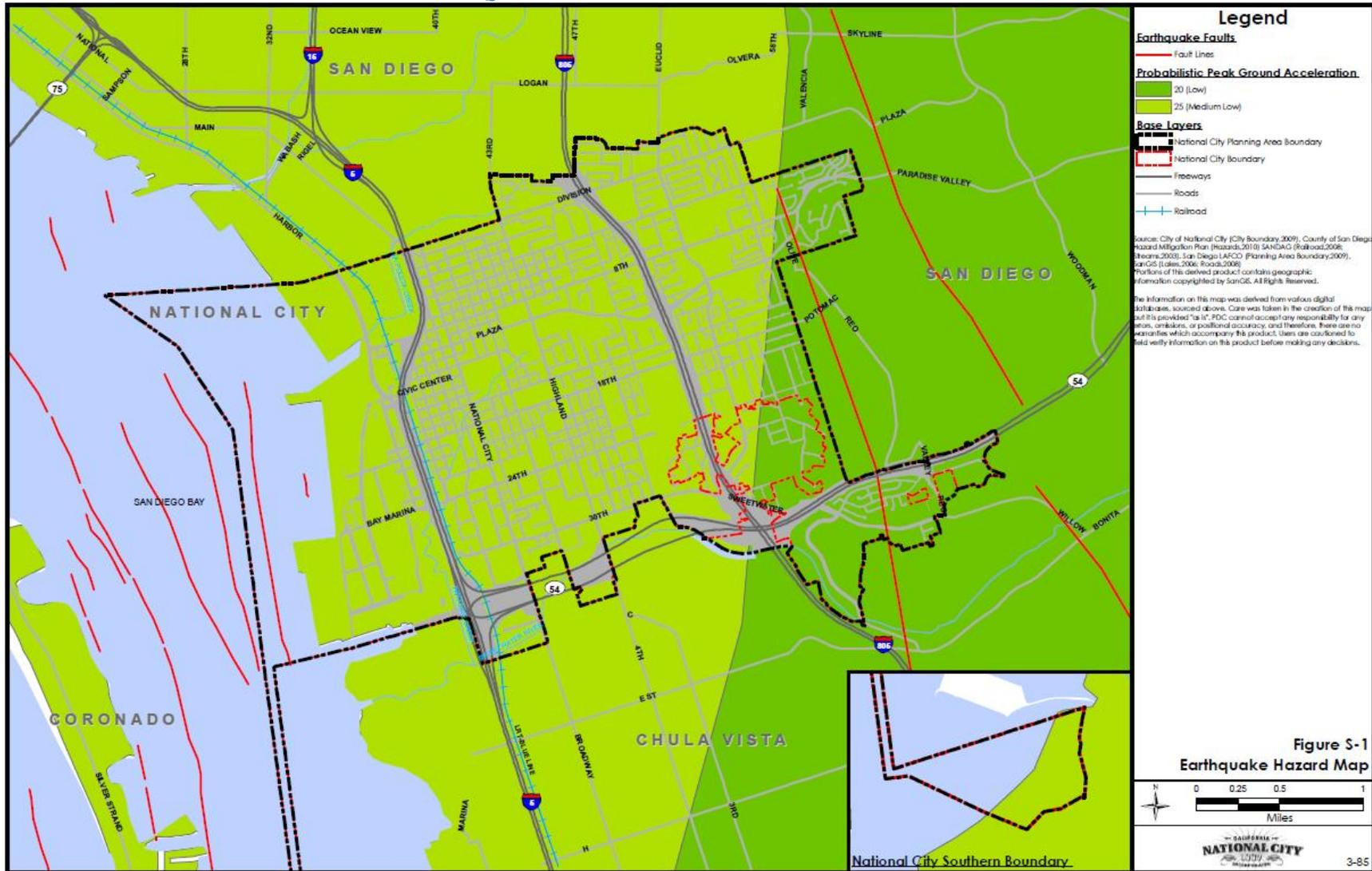
- Rose Canyon Fault (6.2-7.0)
- La Nación (6.2-6.6)
- Coronado Bank (6.0-7.7)
- San Diego Trough (6.1-7.7)
- San Clemente (6.6-7.7)

The La Nación Fault Zone poses the greatest potential earthquake threat to National City. The Rose Canyon Fault is considered to be the greatest potential threat to the San Diego region as a whole, due to its proximity to areas of high population, but it threatens other parts of the region more than National City.

Figure S-1 displays the location and extent of the profiled earthquake hazard for the planning area. The earthquake hazard is based on probabilistic peak ground acceleration, which correlates to how hard the earth shakes in a given area. Although located near fault lines, National City lies within medium-low to low shake potential zones. A compounding factor to the risks associated with seismic events within National City is the prevalence of unreinforced masonry buildings. Unreinforced masonry buildings are primarily older structures, typically constructed prior to 1973. Approximately 63% of structures in National City were constructed prior to 1970, compared to 38% in San Diego County overall. Unreinforced masonry buildings, due to their construction type and age, are at greater risk for damage or collapse during a seismic event.

SECTION FIVE | Conduct a Risk Assessment

FIGURE 1: EARTHQUAKE FAULTS POSING A POTENTIAL HAZARD IN NATIONAL CITY



5.2.2. Structure Fires and Wildfire

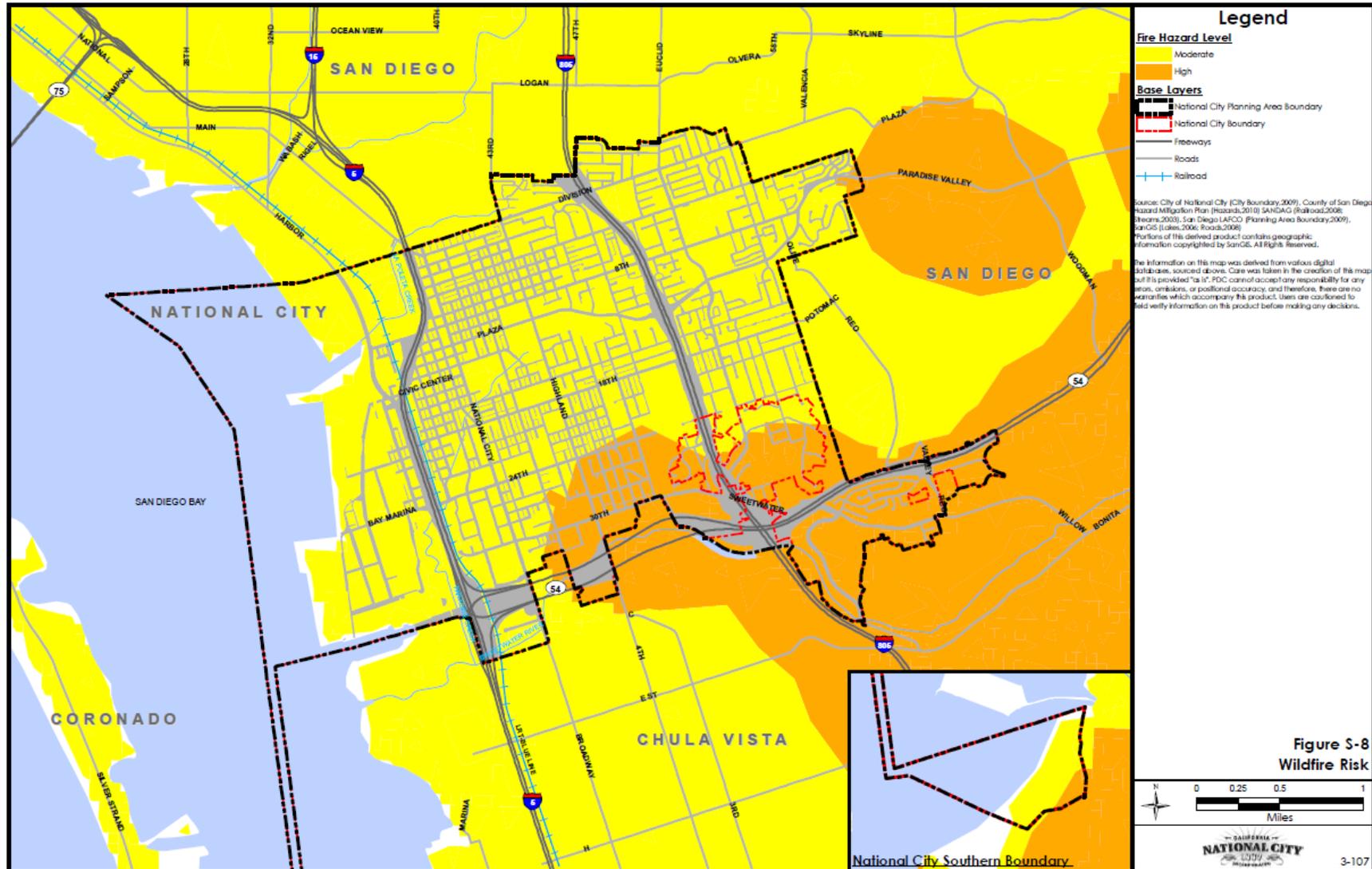
There are several fire risk factors affecting National City. An increase in the population of minors and seniors has caused greater dependence issues, as seniors and children require more assistance when evacuating a structure; the high cost of housing has led to the overcrowding of homes; and approximately 85% of the homes in National City are over 30 years old, and approximately 43% are over 50 years old - this is the age at which electrical and heating systems are more likely to cause fires, if not properly maintained.

National City has pockets of grass, brush, and trees in between developed areas and in the hills located to the east. The proximity of native vegetation and the climate of the region contribute to a moderate to high risk of wildfires in National City, as illustrated on Figure 2. The greatest risk for wildfires is within the southeastern portion of National City, due to its proximity to the Sweetwater Regional Park and other areas with higher concentrations of native vegetation. The remaining portion of National City contains a moderate risk for wildfires.

Wildfires are particularly dangerous for National City after a major earthquake that can result in single family houses causing multiple ignitions with few resources available to stop the wildfire.

SECTION FIVE | Conduct a Risk Assessment

FIGURE 2: WILDFIRES POSING A POTENTIAL HAZARD IN NATIONAL CITY



SECTION FIVE | Conduct a Risk Assessment

5.2.3. Dam Failure

Dam failure can cause a significant amount of loss of life and structures due to flash flooding occurring soon after the initial break. Dam failure is usually the result of age, poor design, or structural damage caused by a major event, such as an earthquake or flood. Dam failures are considered low probability, high-loss events.

Two major dam failures have been recorded in San Diego County. They both occurred because of the Hatfield Flood of 1916, which caused the failure of both the Sweetwater and Lower Otay Dams, resulting in 22 deaths and \$4.5 million in damage.

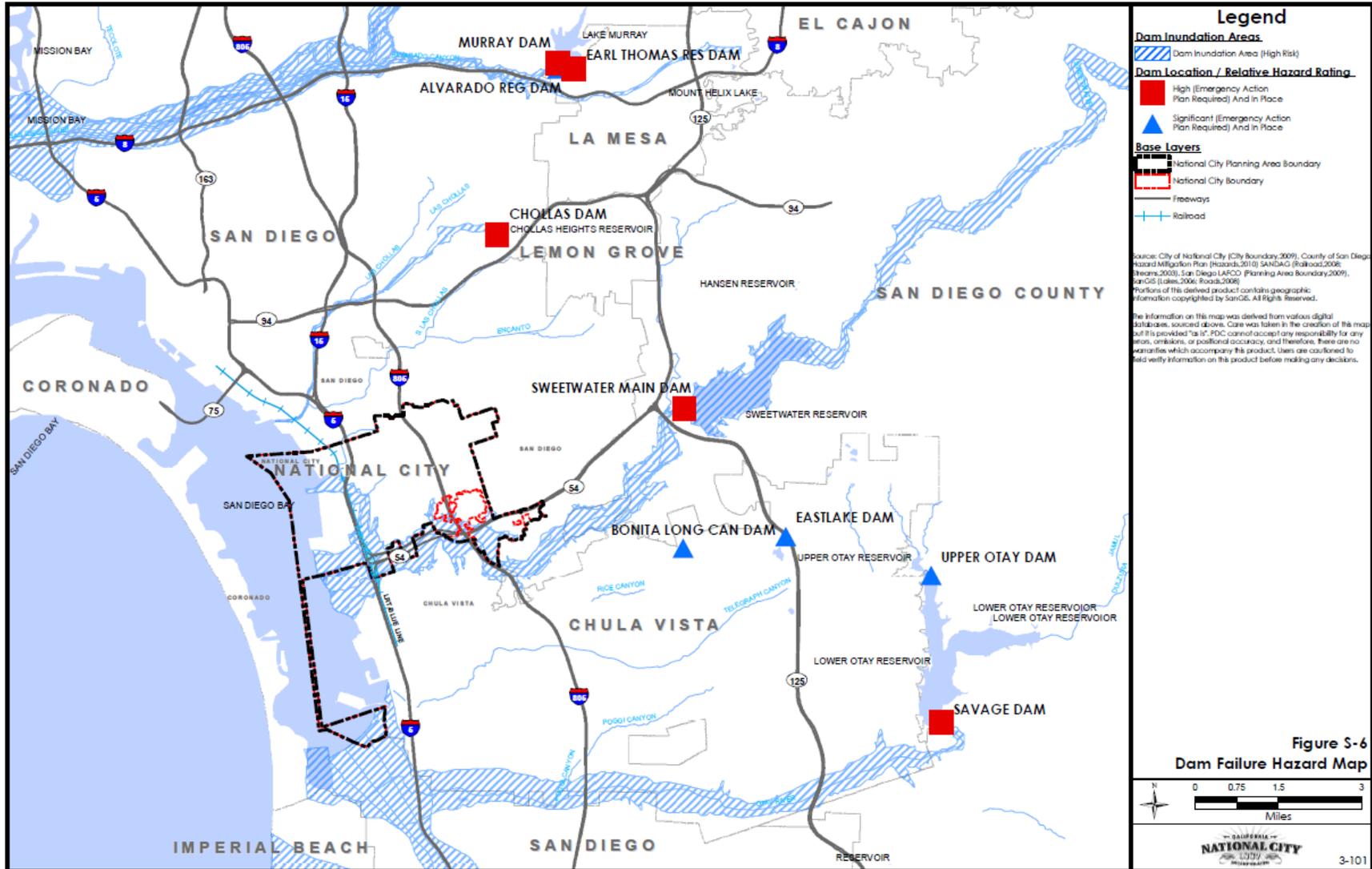
The three closest dams to National City are the:

- Sweetwater Dam (5.33 miles away);
- Bonita Long Canyon Dam (4 miles away); and
- Eastlake Dam (9.5 miles away).

Figure 3 illustrates the dam failure hazard for National City. As shown on the map, there are some parts of National City, primarily along the southern boundary, that would be subject to inundation if the Sweetwater Dam failed.

SECTION FIVE | Conduct a Risk Assessment

FIGURE 3: DAM FAILURE POSING A POTENTIAL HAZARD IN NATIONAL CITY



SECTION SIX | Develop a Mitigation Strategy

5.3 Potential Hazard Exposure and Loss Estimates

The City of National City 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. Potential hazard exposure/loss estimates are summarized in Table 14.

TABLE 14: SUMMARY OF POTENTIAL HAZARD-RELATED EXPOSURE/LOSS IN CITY OF NATIONAL CITY

Hazard Type	Residential			Commercial		Critical Facilities	
	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	10,038	0	\$0	0	\$0	0	\$0
Sea Level Rise							
Coastal Flooding	0	0	\$0	0	\$0	8	\$90,840,000
Mean Higher High Water	5,019	0	\$0	0	\$0	5	\$31,450,000
Dam Failure	7,603	275	\$106,865,000	148	\$44,747,800	47	\$315,240,000
Earthquake (Loss)							
(Annualized Loss - Includes shaking, liquefaction and landslide components)*	2,348	491	\$245,760,727	407	\$145,641,995	11	\$147,177,250
Rose Canyon M6.9 Scenario	61,014	8,648	\$3,359,748,000	1,413	\$427,220,550	103	\$1,693,555,250
Floods (Loss)							
100 Year	10,693	149	\$57,901,400	139	\$42,026,650	10	\$64,800,000
500 Year	12,868	909	\$353,237,400	200	\$60,470,000	14	\$84,236,000
Rain-Induced Landslide							
High Risk	0	0	\$0	0	\$0	0	\$0
Moderate Risk	0	64	\$24,864,000	1	\$302,350	13	\$86,710,000
Tsunami	10,156	0	\$0	0	\$0	2	\$11,440,000
Wildfire/Structure Fire							

SECTION SIX | Develop a Mitigation Strategy

High Fire Hazard	0	0	\$0	0	\$0	0	\$0
Very High Fire Hazard	0	0	\$0	0	\$0	0	\$0

**Annualized earthquake analysis annualizes expected losses by averaging them per year, which factors in historical patterns of frequent smaller earthquakes with infrequent but larger events to provide a balanced representation of earthquake risk.*

6. SECTION SIX: Develop a 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

Use this worksheet to help evaluate and prioritize each mitigation action being considered by the planning team. For each action, evaluate the potential benefits and/or likelihood of successful implementation for the criteria defined below.

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.

SECTION SIX | Develop a Mitigation Strategy

- **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?

SECTION SIX | Develop a Mitigation Strategy

Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Local Plans and Regulations											
Goal 1: Promote disaster resistant developments for new development.											
Continue to update the General Plan periodically.	1	1	1	1	1	1	0	1	1	1	9
Continue to update the Land Use Code periodically.	1	1	1	1	1	1	0	1	1	1	9
Adopt and implement current building and fire codes per state cycle.	1	1	1	1	1	0	0	1	1	1	8
Continue to regularly adopt and implement existing building codes.	1	1	1	1	1	0	0	1	1	1	8
Encourage and improve communications between the Development Services Department and Fire Department.	1	1	1	1	1	0	0	1	1	1	8
Cross-train staff from Development Services Department and Fire on current relevant codes.	1	1	1	1	1	0	0	1	1	1	8
Review annually and update as necessary the Flood Plain Ordinance periodically.	1	0	1	1	1	1	0	1	1	1	8
Continue to update Land Use Codes periodically.	1	1	1	1	1	1	0	1	1	1	9
Implement Geographic Information System (GIS) program citywide.	0	0	1	0	1	0	0	1	1	1	5
Use GIS and Census data to plot hazard areas for new development.	1	1	1	1	1	0	0	1	1	1	8
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Education and Awareness Programs											
Goal 2: Promote public understanding, support and demand for hazard mitigation.											
Conduct workshops with Neighborhood Councils, Chamber of Commerce, interested groups, schools, individual homeowners, and business community on hazards that require advance preparedness.	1	1	1	1	1	0	0	1	1	1	8
Continue to promote disaster preparedness with the distribution of print materials or videos.	1	1	1	1	1	0	0	1	1	1	8

SECTION SIX | Develop a Mitigation Strategy

Participate in workgroup activities with the County Office of Emergency Services (OES), Unified Disaster Council (UDC).	1	1	1	1	1	0	0	1	1	1	8
Participate in workgroup activities with other municipalities.	1	1	1	1	1	0	0	1	1	1	8
Participate in workgroup activities with SANDAG.	1	1	1	1	1	0	0	1	1	1	8
Participate in workgroup activities with Caltrans.	1	1	1	1	1	0	0	1	1	1	8
Conduct workshops with the Chamber of Commerce, Rotary Clubs, etc.	1	1	1	1	1	0	0	1	1	1	8
Conduct informational meetings with business owners/managers.	1	1	1	1	1	0	0	1	1	1	8
Develop method to keep community informed of progress.	1	0	1	1	1	0	0	1	1	1	7
Actively implement code enforcement for building without permits.	1	1	1	1	1	0	0	1	1	1	8
Actively implement code enforcement for hazardous occupancies in accordance with adopted codes.	1	1	1	1	1	0	0	1	1	1	8
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Goal 3: Build and support local capacity and commitment to continuously become less vulnerable to hazards.											
Update and adopt the City of National City Emergency Plan every 10 years.	1	1	1	1	1	0	0	1	1	1	8
Update and adopt the Hazard Mitigation Plan every 5 years.	1	1	1	1	1	0	0	1	1	1	8
Work with the Fire Department, Development Services Department, Community Development Department, and Police Department to develop the hazard mitigation plan.	1	1	1	1	1	0	0	1	1	1	8
Implement hazard mitigation plan recommendations.	1	1	1	1	1	0	0	1	1	1	8
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Goal 4: Improve hazard mitigation coordination and communication with federal, state and other local governments.											
Continue to work with the Chamber of Commerce, American Red Cross, County Office of Emergency Services (OES), Unified Disaster Council (UDC), and Federal Emergency Management Agency (FEMA) to develop mitigation plans.	1	1	1	1	1	0	0	1	1	1	8

SECTION SIX | Develop a Mitigation Strategy

Continue support/participation in regional programs to include HIRT and USAR.	1	1	1	1	1	0	0	1	1	1	8
Hold seminars to encourage organizations to take mitigation actions. This initiative can be developed in modular format to address the information needs of a range of target groups.	1	1	1	1	1	0	0	1	1	1	8
Make available a copy of the completed Hazard Mitigation Plan for the public to view.	0	1	1	1	1	0	0	1	1	1	7
Work with the Fire Department, Development Services Department, Community Development Department, and Police Department to develop hazard mitigation plan.	1	1	1	1	1	0	0	1	1	1	8
Maintain an Emergency Response Plan.	1	1	1	1	1	0	0	1	1	1	8
Schedule Emergency Response Plan Exercises.	1	1	1	1	1	0	0	1	1	1	8
Conduct on-going education programs to inform the community of pre-and post-disaster advice.	1	1	1	1	1	0	0	1	1	1	8
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Structure and Infrastructure Projects											
Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.											
Conduct workshops with Neighborhood Councils, Chamber of Commerce, individual homeowners, and business community on hazards that require advance preparedness.	1	1	1	1	1	0	0	1	1	1	8
Recommend that the City retrofit the City Hall as funds become available.	1	1	1	1	1	0	0	0	1	1	7
Actively pursue grant funds and other funding sources to retrofit City Hall.	1	1	1	1	1	0	0	0	1	1	7
Maintain an Emergency Response Plan and regularly schedule Exercises with City staff.	1	1	1	1	1	0	0	1	1	1	8
Maintain search and rescue equipment deployment objectives.	1	1	1	1	1	0	0	1	1	1	8
Determine structural safety of buildings to be used for care and shelter of evacuees.	1	1	1	1	1	0	0	1	1	1	8
Create and adopt the following mandatory Ordinances to reduce the possibility of damage and losses due to earthquakes: Unreinforced Masonry Building Seismic Retrofit Ordinance,	1	1	1	1	1	0	0	0	1	1	7

SECTION SIX | Develop a Mitigation Strategy

Pre-Northridge Steel Moment Frame Retrofit Ordinance, Non-Ductile Concrete Building Seismic Retrofit Ordinance, Soft First Story Wood Frame Seismic Building Retrofit Ordinance, Tilt-up Building Seismic Retrofit Ordinance, Wood Frame Cripple Wall Seismic Retrofit Ordinance, and "Excessive Damage" Ordinance.											
Create and adopt a back to business or building occupancy resumption program (BORP) program.	0	0	1	1	0	0	0	1	1	1	5
Adopt and implement existing building codes.	1	1	1	1	1	0	0	1	1	1	8
Conduct inspections of at-risk structures that conduct care for children, seniors, and other group homes.	1	1	1	1	1	0	0	1	1	1	8
Conduct inspections of child care facilities, senior facilities, and other facilities where occupants may be severely impacted to ensure the structures are structurally safe.	1	1	1	1	1	0	0	1	1	1	8
Conduct informational meetings with Neighborhood Councils, Chamber of Commerce, individual homeowners, and business community.	1	0	1	1	1	0	0	1	1	1	7
Implement GIS program citywide.	0	0	1	1	1	0	0	1	1	1	6
Use GIS and Census data to locate vulnerable buildings.	1	0	1	1	1	0	0	1	1	1	7
Create a Vulnerable Building Inventory list.	1	1	1	1	1	0	0	0	1	1	7
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Goal 6: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to floods.											
Maintain Flood Retrofitting for Residential Structures.	1	1	0	1	0	1	0	0	0	1	5
Maintain Storm Water System in Operable Conditions.	1	1	1	1	1	1	0	1	1	1	9
Reduce Impervious Surfaces through implementation of a landscape ordinance that encroaches previous site design.	1	1	1	1	1	1	0	0	1	1	8
Maintain and update a city-wide Evacuation Plan.	1	0	1	1	1	0	0	1	1	1	7
Maintain search and rescue equipment deployment objectives.	1	0	1	1	1	0	0	1	1	0	6
Continue to participate in the National Flood Insurance Program and requirement to review applications for	1	1	1	0	1	0	0	1	0	1	6

SECTION SIX | Develop a Mitigation Strategy

conformance with NFIP standards.											
Maintain adequate materials to disperse to the public for installing water barriers when necessary.	1	1	1	1	1	0	0	1	1	1	8
Construct detention basins when necessary and review new development for adequate design features.	1	1	1	1	1	1	0	1	1	1	9
Regularly participate in workgroup activities with the County.	1	1	1	1	1	0	0	1	1	1	8
Regularly participate in workgroup activities with the Caltrans.	1	1	1	1	1	0	0	1	1	1	8
Regularly participate in workgroup activities with the other municipalities.	1	1	1	1	1	0	0	1	1	1	8
Prepare and implement Best Management Practices for all new development.	1	1	1	1	1	1	0	1	1	1	9
Schedule Flood Mitigation and recovery Interactive Exercises.	1	1	1	1	1	1	0	1	1	1	9
Identify and prioritize critical facilities within dam inundation zones.	1	1	1	1	1	1	0	1	1	1	9
Update plans/data periodically to adequately represent vulnerable populations.	1	0	1	1	1	0	0	1	1	1	7
Conduct survey of assets within dam inundation areas.	1	1	1	1	1	0	0	1	1	1	8
Update GIS maps that identify the dam inundation zones.	1	1	1	1	1	0	0	1	1	1	8
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Goal 7: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to structural fire/wildfire.											
Regularly maintain a Fire Prevention Program.	1	1	1	1	1	0	0	1	1	1	8
Regularly maintain a Pre-Fire Plan Program.	1	1	1	1	1	0	0	1	1	1	8
Regularly maintain a Fire Suppression Program.	1	1	1	1	1	0	0	1	1	1	8
Assess staffing levels of Fire Prevention Staff and increase as appropriate.	1	1	1	1	1	0	0	1	1	1	8
Develop a Housing Inspection Program and routinely conduct housing inspections of homes over 50 years old.	1	1	0	0	0	0	0	0	0	1	3
Conduct a Housing Outreach Program.	1	1	0	0	0	0	0	0	1	1	4
Maintain/update all Arson Registrants with required registration and conditions of probation or parole.	1	1	1	1	1	0	0	1	1	1	8
Maintain response times, pumping capacity and apparatus and equipment deployment objectives.	1	1	1	1	1	0	0	1	1	1	8

SECTION SIX | Develop a Mitigation Strategy

Annually assess staffing levels and ensure adequate staffing is available to meet fire suppression objectives.	1	1	1	1	1	0	0	1	1	1	8
Maintain standard operating procedures for fire ground operations.	1	1	1	1	1	0	0	1	1	1	8
Conduct annual wildland fire fighting and ICS training to ensure operational readiness.	1	1	1	1	1	0	0	1	1	1	8
Identify and work to eliminate non-fire resistant roofs.	1	1	0	0	0	0	0	0	0	1	3
Install automatic fire detection and extinguishing systems in buildings according to adopted codes.	1	1	1	1	0	0	0	0	1	1	6
Maintain mutual/auto aid agreements with neighboring municipalities.	1	1	1	1	1	0	0	1	1	1	8
Maintain an inspection process to ensure buildings are constructed in accordance with adopted codes.	1	1	1	1	1	0	0	1	1	1	8
Conduct evacuation drills in high rise buildings.	1	1	0	0	0	0	0	0	1	1	4
Maintain/update all Arson Registrants with required registration and conditions of probation or parole.	1	1	1	1	1	0	0	1	1	1	8
Implement GIS program citywide.	0	0	1	1	1	0	0	1	1	1	6
Use GIS and Census data to locate vulnerable buildings.	1	0	1	1	1	0	0	1	1	1	7
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Goal 8: Reduce the possibility of damage and losses to existing assets, particularly people and businesses, due to tsunami.											
Clearly identify potential tsunami prone areas.	1	1	1	1	1	0	0	1	1	1	8
Review the Tsunami Evacuation Playbook periodically to ensure efficient notification protocols.	1	0	1	1	1	0	0	1	1	1	7
Enforce regulatory measures related to development within 100-year flood plain.	1	1	1	1	1	0	0	1	1	1	8
Periodically review the City's compliance with NFIP regulations, as resources become available.	1	1	1	1	1	0	0	1	1	1	8
Restrict ability to re-build, unless mitigation measures to avoid repeat losses are taken.	1	1	1	1	1	0	0	1	1	1	8
Work with regional agencies, (OES, UDC, SanGIS) to accurately map the tsunami inundation maps.	1	1	1	1	1	0	0	1	1	1	8
Share and train with acquired information with all City departments and personnel.	1	0	1	1	1	0	0	1	1	1	7

SECTION SIX | Develop a Mitigation Strategy

Continue to coordinate with neighboring jurisdictions on joint training opportunities between staffs.	1	0	1	1	1	0	0	1	1	1	7
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Natural Systems Protection											
Goal 9: Reduce the possibility of damage and losses to people, facilities/infrastructure, publicly owned facilities and other assets due to extreme heat and drought.											
Encourage residents to adopt drought tolerant landscaping or xeriscape practices.	0	0	1	1	1	1	0	1	1	1	7
Organize outreach to vulnerable populations.	1	1	1	1	1	0	0	1	1	1	8
Provide educational materials on severe weather and mitigation strategies on the City website and through all forms of social media.	1	1	1	1	1	0	0	1	1	1	8
Link vulnerable populations to resources such as cooling centers and transportation services in order to reduce losses in the face of drought or extreme heat.	1	0	1	1	1	0	0	1	1	1	7
Continue to participate in the National Weather Service StormReady Program.	1	0	1	1	1	0	0	1	1	1	7
Implement water efficiency upgrades at municipal buildings, parks and publicly owned facilities.	0	0	1	1	1	1	0	1	1	1	7
Mitigation Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	Total Score
Goal 10: Reduce the possibility of damage and losses to existing assets, including people, critical facilities/infrastructure and public facilities due to manmade hazards.											
Maintain a Fire Prevention Program to insure Hazardous Occupancies are in accordance with adopted codes.	1	1	1	1	1	0	0	1	1	1	8
Maintain a Hazardous Materials Zoning Ordinance.	1	1	1	1	1	0	0	1	1	1	8
Maintain a Pre-Fire Plan Program.	1	1	1	1	1	0	0	1	1	1	8
Maintain a Fire Suppression Program.	1	1	1	1	1	0	0	1	1	1	8
Maintain an evacuation plan.	1	1	1	1	1	0	0	1	1	1	8
Maintain search and rescue equipment deployment objectives.	1	1	1	1	1	0	0	1	1	1	8
Work with the Regional Terrorism Threat Assessment Center (RTTAC) and the Joint Terrorism Task Force (JTTF) and the Anti-Terrorism Advisory Council (ATAC).	1	1	1	1	1	0	0	1	1	1	8

SECTION SIX | Develop a Mitigation Strategy

Maintain Camera/Card Access Program in City buildings.	1	1	1	1	1	0	0	1	1	1	8
Develop and Implement policies to alert all public service agencies as to the nature of the problem, exact location and extent of damage.	1	1	1	1	1	0	0	1	1	1	8
Develop and Implement policies to provide perimeter control for affected area and prevent entry of unauthorized personnel into the hazard area.	1	1	1	1	1	0	0	1	1	1	8
Develop and Implement policies to direct the placement of barricades and traffic control devices.	1	1	1	1	1	0	0	1	1	1	8
Participate in the Regional Training and Exercise Program.	1	1	1	1	1	0	0	1	1	1	8
Establish procedures for processing requests for information about emergency response plans, material safety data sheets and the list of extremely hazardous substances.	1	1	1	1	1	0	0	1	1	1	8
Continue informational Neighborhood Watch meetings.	1	1	1	1	1	0	0	1	1	1	8
Maintain a working relationship with the Metropolitan Medical Strike Team (MMST) to coordinate specialized immediate response, mitigation and recovery operations at the incident scene.	1	1	1	1	1	0	0	1	1	1	8
Maintain and agreement with County HIRT.	1	1	1	1	1	0	0	1	1	1	8
Work with ATAC.	1	1	1	1	1	0	0	1	1	1	8
Implement GIS program citywide.	1	1	1	1	1	0	0	1	1	1	8
Use GIS and U.S. Census data to identify facilities and transportation situations that have the potential for causing injury to life, property and environment.	1	1	1	1	1	0	0	1	1	1	8

TABLE 135: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 6.1 DATA.

APPENDICES

6.2. Mitigation Action Implementation

A mitigation action is a specific action, project, activity, or process taken to reduce or eliminate long-term risk to people and property from hazards and their impacts. Implementing mitigation actions helps achieve the plan’s mission and goals. The actions to reduce vulnerability to threats and hazards form the core of the plan and are a key outcome of the planning process. This annex details the following mitigation action implementations:

6.2.1. Promote disaster resistant new developments

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Incorporate mitigation actions into the General Plan. Goal 1: Promote disaster resistant developments for new development.
Background/Issue:	The City has updated the General Plan periodically, but mitigation actions seem to be lacking in the plan.
Ideas for Integration:	Improve communications between the Development Services Department and Fire Department regarding current building and fire codes.
Responsible Agency:	National City Fire Department
Partners:	National City Development Services Department
Potential Funding:	General Fund
Cost Estimate:	Unknown
Benefits: (Losses Avoided)	<p>The benefits include:</p> <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	Low
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.2. Promote hazard mitigation

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Educate the public to increase awareness of hazards and opportunities for mitigation actions. Goal 2: Promote public understanding, support and demand for hazard mitigation.
Background/Issue:	The City has provided disaster preparedness classes, but promoting mitigation actions that can be accomplished before a disaster such as an earthquake seem to be lacking.
Ideas for Integration:	Conduct disaster preparedness workshops with homeowners and business community members on mitigation actions that require advance preparedness.
Responsible Agency:	National City Fire Department
Partners:	
Potential Funding:	General Fund
Cost Estimate:	Unknown
Benefits: (Losses Avoided)	<p>The benefits include:</p> <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	Medium

APPENDICES

Worksheet Completed by:	Walter Amedee, National City Fire Department
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6.2.3. Build and support local capacity and commitment to continuously become less vulnerable to hazards

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Develop a hazard mitigation plan and increase awareness/knowledge to implement hazard mitigation actions. Goal 3: Build and support local capacity and commitment to continuously become less vulnerable to hazards.
Background/Issue:	The City has developed and adopted a hazard mitigation plan, but promoting mitigation actions that can be accomplished seems to be lacking.
Ideas for Integration:	Conduct disaster preparedness workshops with homeowners and business community members on mitigation actions that require advance preparedness.
Responsible Agency:	National City Fire Department
Partners:	
Potential Funding:	General Fund
Cost Estimate:	Unknown
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> Promoting hazard mitigation actions that reduce property loss
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.4. Improve hazard mitigation coordination and communication

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Work with the County Office of Emergency Services (OES), CalOES, and Federal Emergency Management Agency (FEMA) to develop mitigation actions. Goal 4: Improve hazard mitigation coordination and communication with federal, state and other local governments.
Background/Issue:	The City has developed and adopted a hazard mitigation plan, but promoting mitigation actions that can be accomplished seems to be lacking.
Ideas for Integration:	Conduct disaster preparedness workshops with homeowners and business community members on mitigation actions that require advance preparedness.
Responsible Agency:	National City Fire Department
Partners:	
Potential Funding:	General Fund
Cost Estimate:	Unknown
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> Promoting hazard mitigation actions that reduce property loss
Timeline:	September 2022-September 2027
Priority:	Medium
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.5. Reduce the possibility of damage and losses due to earthquakes

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create and adopt a Cripple Wall Building Seismic Retrofit Ordinance to reduce the possibility of damage and losses due to earthquakes. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.

APPENDICES

Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of Cripple Wall buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees, and pedestrians is minimized.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and American Rescue Plan Act (ARPA) funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	For crawl space area to bolt frame to foundation and reinforce cripple walls: \$2000 - \$5000; for sheer walling anchors & drywalling: \$10 - \$12 per sq. ft.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.6. Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create and adopt a Non-Ductile Concrete Building Seismic Retrofit Ordinance to reduce the possibility of damage and losses due to earthquakes. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of Cripple Wall buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees, and pedestrians is minimized.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and American Rescue Plan Act (ARPA) funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	For crawl space area to bolt frame to foundation and reinforce cripple walls: \$2000 - \$5000; for sheer walling anchors & drywalling: \$10 - \$12 per sq. ft.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building

6.2.7. Promote public understanding for hazard mitigation

6.2.8. Reduce the possibility of damage and losses due to earthquakes

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create and adopt a Soft First Story Building Seismic Retrofit Ordinance to reduce the possibility of damage and losses due to earthquakes. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a

APPENDICES

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Conduct workshops with residential and commercial building owners on hazards that require advance preparedness to reduce the possibility of damage and losses due to earthquakes. Goal 2: Promote public understanding, support and demand for hazard mitigation.
Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of Non-Ductile Concrete buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees and pedestrians is minimized.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	Not applicable.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department
	comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of Soft First Story buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees and pedestrians is minimized.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	\$5,000 - \$7,000 per parking space for tuck under parking.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.9. Reduce the possibility of damage and losses due to earthquakes

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create and adopt a Steel Moment Frame Building Seismic Retrofit Ordinance to reduce the possibility of damage and losses due to earthquakes. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of Steel Moment Frame buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees and pedestrians is minimized.

APPENDICES

Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	Consult with an engineer to inspect and determine recommendation.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.10. *Reduce the possibility of damage and losses due to earthquakes*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create and adopt a Tilt-up Building Seismic Retrofit Ordinance to reduce the possibility of damage and losses due to earthquakes. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of Tilt-up buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees and pedestrians is minimized.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	1,000 - 10,000 sq.ft. - \$3.50 - \$10 (per sq.ft.) 10,000 - 50,000 sq.ft. - \$2.50 (per sq.ft.) 50,000 - 100,000 sq.ft (or larger) - \$1.30 (per sq.ft)
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.11. *Reduce the possibility of damage and losses due to earthquakes*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create and adopt an Unreinforced Masonry (URM) Building Seismic Retrofit Ordinance to reduce the possibility of damage and losses due to earthquakes. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Ordinance that will make building owners responsible for seismic retrofits.
Ideas for Integration:	Convince owners of URM buildings that they are responsible to ensure that damage to their structures, as well as death and injury to family, tenants, employees and pedestrians is minimized.
Responsible Agency:	City Manager's Office

APPENDICES

Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	\$2 - \$5 per sq.ft. These costs do not include engineering or inspection costs.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.12. *Reduce the possibility of damage and losses due to earthquakes*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Conduct seismic analysis of public facilities, retrofit City Hall as funds become available, and actively pursue funding sources to complete the work. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has had an analysis conducted for the seismic retrofit of City Hall, but at a cost of \$2 million it is very expensive.
Ideas for Integration:	Pursue hazard mitigation grant funds to reduce the cost to the General Fund.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department National City Engineering Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to reduce the cost to the General Fund for the seismic retrofit project.
Cost Estimate:	\$2,000,000.00
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.13. *Reduce the possibility of damage and losses due to earthquakes*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Create a Vulnerable Building Inventory list. Goal 5: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to earthquakes.
Background/Issue:	The City has begun to develop a Vulnerable Building Inventory list. The list currently identifies Soft Story Buildings that were built prior to 1980.
Ideas for Integration:	Convince owners of vulnerable buildings that they are responsible to ensure damage to their structures, as well as death and injury to family, tenants, employees and pedestrians is minimized.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	Assembly Bill 1721 (Rodriguez) and ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.
Cost Estimate:	Not applicable.

APPENDICES

Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.14. *Reduce the possibility of damage and losses due to floods*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Acquire homes and businesses in a flood hazard area. Goal 6: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to floods
Background/Issue:	The City has had a few businesses that have suffered repeat flood damage.
Ideas for Integration:	Convince owners of vulnerable buildings that it is in their best interest to Convince.
Responsible Agency:	City Manager's Office
Partners:	National City Fire Department
Potential Funding:	General fund.
Cost Estimate:	Unknown.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	Low
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.15. *Reduce the possibility of damage and losses due to structural fire/wildfire*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Install smoke detectors and provide gas shutoff valves to homeowners. Goal 7: Reduce the possibility of damage and losses to existing assets, particularly people and critical facilities/infrastructure due to structural fire/wildfire.
Background/Issue:	The City has actively installed free smoke detectors and provided gas shutoff valves to homeowners.
Ideas for Integration:	Convince homeowners of vulnerable buildings that it is in their best interest to install smoke detectors and obtain a gas shutoff valve to protect their home.
Responsible Agency:	National City Fire Department
Partners:	National City CERT American Red Cross San Diego Burn Institute
Potential Funding:	General fund.
Cost Estimate:	Unknown.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building

APPENDICES

Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.16. *Reduce the possibility of damage and losses due to tsunami*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Clearly identify potential tsunami prone areas and review the Tsunami Evacuation Playbook periodically to ensure efficient notification protocols. Goal 8: Reduce the possibility of damage and losses to existing assets, particularly people and businesses, due to tsunami.
Background/Issue:	The City has received updated tsunami inundation maps periodically, but the maps no longer show much of a danger to critical infrastructure.
Ideas for Integration:	Train staff regarding tsunami emergency notification protocols.
Responsible Agency:	National City Fire Department
Partners:	County Office of Emergency Services
Potential Funding:	General fund.
Cost Estimate:	Unknown.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	Low
Worksheet Completed by:	Walter Amedee, National City Fire Department

6.2.17. *Reduce the possibility of damage and losses due to extreme heat and climate change*

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Retrofit buildings to make them more energy efficient; adopt renewable energy sources like solar; help develop more sustainable transportation such as bus rapid transit and electric vehicles; and promote more sustainable land use. Goal 9: Reduce the possibility of damage and losses to people, facilities/infrastructure, publicly owned facilities and other assets due to extreme heat and climate change.
Background/Issue:	The City needs to continue to update its “Best Management Practice Design Manual” for all new development and existing construction to incorporate mitigation actions to combat climate change.
Ideas for Integration:	Pursue best practices for mitigation actions to combat climate change.
Responsible Agency:	National City Fire Department
Partners:	City Manager’s Office
Potential Funding:	General fund.
Cost Estimate:	Unknown.
Benefits: (Losses Avoided)	The benefits include: <ul style="list-style-type: none"> • Reduced risk of personal injury and death • Reduced risk of property damage • Reduced risk of litigation and liability • Reduced insurance costs • Improves the value and marketability of the building
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

APPENDICES

6.2.18. Reduce the possibility of damage and losses due to manmade hazards

Jurisdiction:	City of National City
Mitigation Action/Project Title:	Cooperate with regional stakeholders, to further develop and improve Chemical, Biological, Nuclear, Radiological, Terrorism and Explosive (CBRNE) capabilities to detect, identify and render safe CBRNE threats throughout the City and maintain an agreement with Hazardous Incident Response Team (HIRT) for hazardous materials response. Goal 10: Reduce the possibility of damage and losses to existing assets, including people, critical facilities/infrastructure and public facilities due to <u>manmade hazards</u>
Background/Issue:	The City needs to continue to participate in information sharing, grant purchases for equipment, and maintain an agreement with HIRT for emergency response to hazardous materials.
Ideas for Integration:	Pursue grant funding to maintain emergency response capabilities to detect, identify, and render safe CBRNE threats and hazardous materials incidents.
Responsible Agency:	National City Fire Department
Partners:	National City Police Department
Potential Funding:	General fund.
Cost Estimate:	Unknown.
Benefits: (Losses Avoided)	The benefits include the reduction of loss of life due to terrorism or hazardous materials spills.
Timeline:	September 2022-September 2027
Priority:	High
Worksheet Completed by:	Walter Amedee, National City Fire Department

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. The plan must include a description of the method and schedule for monitoring, evaluating, and updating it within a 5-year cycle. These procedures help to:

- Ensure that the mitigation strategy is implemented according to the plan.
- Provide the foundation for an ongoing mitigation program in the City.
- Standardize long-term monitoring of hazard-related activities.
- Integrate mitigation principles into community officials' daily job responsibilities and department roles.
- Maintain momentum through continued engagement and accountability in the plan's progress.

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* for more information.

7.1. Incorporation of the Plan

The information contained within this plan will be used by the City to help inform, update, and develop local plans, programs, and policies. The City's Engineering/Public Works Department may use the hazard information when implementing street, sewer, solid waste, water, wastewater reclamation, and environmental projects that are part of the City's Capital Improvement Program. For example, the City has had several storm drain projects underway or completed within the last 5-year period.

Similarly, the City's Neighborhood Services Department to include the Building, Planning, and Community Development Divisions may utilize the hazard information when completing the comprehensive update to the City's General Plan. The natural hazard information can directly inform about the potential impacts from flooding, extreme temperature, drought, and severe weather hazards, including how climate change may increase the threat and how the City can build long-term resiliency. The City's Economic Development Department can also use the hazard information when reviewing a site plan or other types of development applications. The City will also incorporate this MJHMP Annex into the Safety Element of the General Plan update.

7.2. Incorporation of Existing Planning Mechanisms

Another important implementation mechanism that is highly effective and low-cost is the incorporation of the hazard mitigation plan recommendations and their underlying principles into

APPENDICES

other jurisdictional plans and mechanisms. Mitigation is most successful when it is incorporated into the day-to-day functions and priorities of government and development. The mitigation plan can be considered as the hub of a wheel with spokes radiating out to other related planning mechanisms that will build from the information and recommendations contained herein. Properly implemented, the MJHMP should serve as one of the foundational documents of National City's emergency management programs, since everything emergency management should relate back in one way or another to the hazards the city faces.

As stated in Section 7.1 above, implementation through existing plans and/or programs is recommended wherever possible. Based on this Plan's capability assessment and progress made on mitigation actions noted in Section 7.3, National City can continue to implement policies and programs to reduce losses to life and property from natural and human-caused hazards. The Planning Team will be responsible for integrating the data, goals and objectives, and other elements of this Plan into other plans, as appropriate.

The following sections provides some guidance on how National City may use the updated MJHMP to inform and improve other plans, procedures, and programs.

7.2.1. General Plan

National City's General Plan is the citywide "blueprint" document that guides future growth and investments. Key topics include housing, land use, transportation, safety, and climate change. The City is currently in the final stages of conducting a Focused General Plan Update and a Climate Action Plan Update. The General Plan serves as the guiding document for achieving the community's vision for the future. The General Plan was last updated in 2011. Since then new state legislation and other regional and local changes have taken place. The Focused General Plan Update will provide residents and businesses the opportunity to shape the future direction of the City.

The elements of the General Plan that are being updated are: Land Use and Community Character, Circulation (Transportation), Safety, and Housing Element. The City's Climate Action Plan is included in the update, as well. Climate Action Plans are comprehensive roadmaps that outline the specific activities an agency will undertake to reduce greenhouse gas emissions (GHGs). The integration of land use, transportation, and housing is important in the strategy of GHG reduction, which is why the City is taking a wholistic approach in updating these elements in conjunction with updating the Climate Action Plan.

Public input was solicited through the summer 2022 with final adoption expected in the spring 2023. The General Plan references the MJHMP to help guide future development.

7.2.2. Response Plans

National City has an emergency operations plans (EOP). While the EOP is an all hazards document, it also contains hazard-specific information and concerns. Hazard information from this MJHMP update will be incorporated into the next EOP update. At a minimum, all high significance hazards identified in this Plan should be addressed in future EOP updates. Several other operational or functional response plans are also influenced by information contained in the MJHMP. These plans include but are not limited to:

APPENDICES

- **Damage Assessment Plan:** A review of the vulnerability and estimated losses detailed in the hazard profiles can help identify what areas to initially prioritize following a hazard event. Similarly, a review of this Plan can help identify what critical facilities need to be assessed following a hazard event.
- **Debris Management Plan:** HAZUS reports conducted for earthquake scenarios include an estimate of how many tons of debris would likely be generated by those scenarios. These estimates can be used as bounding limits for how much and what type of debris generation is likely to be required, as well as what areas are most likely to see heavy debris generations.
- **Evacuation & Sheltering Plan:** A review of the vulnerability and estimated losses detailed in the hazard profiles can help identify what areas are more likely to need evacuation in different hazard scenarios. This Plan can help identify not only how many people would potentially be impacted by disasters, but how many are likely to need assistance with transportation, special medical or sheltering needs, etc. This review can also help evaluate the impacts of multiple or cascading hazards, so that evacuees are not relocated into an area that puts them at risk from other hazards.

7.2.3. Recovery Plan

The risk and vulnerability data in the MJHMP should help inform the post-disaster recovery planning process, especially by ensuring that the recovery elements of those plans fully take into account the dangers posed by other hazards, rather than focusing exclusively on the most recent hazard event. The MJHMP in turn will be revisited during recovery to help identify opportunities to incorporate mitigation in the recovery and rebuilding process, including maximizing FEMA PA (including Section 406 mitigation funding) and HMGP funding where applicable.

7.2.4. Continuity of Operations Plan (COOP)

Many local governments are required to maintain a Continuity of Operations Plan (COOP) that details that agency's critical functions and how to protect those functions in order to continue to provide essential services during a disaster or interruption. By defining and describing the hazards facing the City, including frequency and severity, the MJHMP informs COOP plans by giving context to what types of disasters or interruptions are most likely to occur. Critical facilities and assets located in hazard areas should be prioritized for COOP planning.

7.2.5. Training and Exercise Plan

Training on hazard mitigation principles and procedures should be included in the City's training and exercise plan. Any training and exercise needs identified in the Capability Assessment (Chapter 4) and Mitigation Strategy (Chapter 6) should be included in the City's training and exercise planning.

APPENDICES

7.2.6. Public Awareness and Education Program

The City’s ongoing public education and outreach efforts should reflect the hazards and vulnerabilities described in this MJHMP. In addition to preparing for disasters, public education should include ways in which the public can reduce their vulnerability to natural and human caused hazards. Furthermore, mitigation activities and success stories should be communicated to the public to show the benefits of effective mitigation planning.

7.3. 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. For the City, Walter Amedee monitored the mitigation action progress. A review of the 2018 update of the Hazard Mitigation Plan discovered that most of the mitigation actions were accomplished during the 5-year cycle. The review process for tracking the progress of mitigation actions will begin another 5-year cycle upon adoption of this Hazard Mitigation Plan.

7.3.1. Mitigation Action Progress Report Forms

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to update the General Plan periodically./Objective 1.A: <i>Continue to address natural hazards in future general plan updates.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The General Plan was last updated in 2011. Since then new state legislation and other regional and local changes had taken place. The Focused General Plan Update was conducted to provide residents and businesses the opportunity to shape the future direction of the City. The elements of the General Plan that were updated are: Land Use and Community Character, Circulation (Transportation), Safety, Housing Element, and Climate Action Plan. The City Council updated/adopted the Plan on August 3, 2021.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to update the Land Use Code periodically./Objective 1.A: <i>Continue to address natural hazards in future general plan updates.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The Land Use Code (LUC) is the City's zoning code (Municipal Code Title 18 Zoning), which establishes regulations for the use and development of land. The LUC implements the broad policies of the General Plan by specifying the kinds and types of uses permitted on each parcel of land, the intensity of development allowed, and standards for development such as setbacks, lot coverage, parking, and building heights. The General Plan was last updated in 2011. Since then new state legislation and other regional and local changes had taken place. The Focused General Plan Update was conducted to provide residents and businesses the opportunity to shape the future direction of the City. The elements of the General Plan that were updated are: Land Use and Community Character, Circulation (Transportation), Safety, Housing Element, and Climate Action Plan. The City Council updated/adopted the Plan on August 3, 2021.</u></p>	

APPENDICES

	<p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Adopt and implement current building and fire codes per state cycle./Objective 1.A: Encourage and facilitate the adoption of building codes for new development and renovation that will protect these assets and new development in hazard areas.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The 2019 California Fire Code was introduced/adopted by the City Council on December 3, 2019.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to regularly adopt and implement existing building codes./Objective 1.B: Encourage and facilitate the adoption of building codes for new development and renovation that will protect these assets and new development in hazard areas.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The 2019 California Building Code; the 2019 California Electrical code and 2017 National Electrical Code; the 2019 California Energy Code; Appendix J of the 2019 California Building Code, and Amending Chapter 15.70 (Grading) of the National City Municipal Code; the 2019 California Green Code; the 2019 California Mechanical Code; the 2019 California Plumbing Code; and the 2019 California Residential Code and all Appendices related to these Codes were introduced/adopted by the City Council on December 3, 2019.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Encourage and improve communications between the Development Services Department and Fire Department./Objective 1.C: Continue to implement National City land use code and enforce building codes.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The Development Services Department is now a one-stop-shop for private development projects that includes the Fire Department. Previously, the Public Works/Engineering Department were down the hall separated from the Building, Planning, and Fire Departments. Now, all the departments are situated in the same area to facilitate communication regarding customer requests. The department handles everything from construction permits and serves to address violations of the City ordinances related to land use and development. The adjustment was made back in 2020.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a</u></p>	

APPENDICES

	<p><u>unique challenge to facilitating customer service. Consistent with official public health guidance, customer service activities were shifted to one-stop shop methods of processing requests.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Cross-train staff from Development Services Department and Fire on current relevant codes./ <i>Objective 1.C: Continue to implement National City land use code and enforce building codes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The Development Services Department is now a one-stop-shop for private development projects that includes the Fire Department. Previously, the Public Works/Engineering Department were down the hall separated from the Building, Planning, and Fire Departments. Now, all the departments are situated in the same area to facilitate cross-training of staff on current relevant codes. The department handles everything from construction permits and serves to address violations of the City ordinances related to land use and development. The adjustment was made back in 2020.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating customer service. Consistent with official public health guidance, customer service activities were shifted to one-stop shop methods of processing requests.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Review annually and update as necessary the Flood Plain Ordinance periodically./ <i>Objective 1.D: Encourage future development that incorporates planning that will not exacerbate hazardous conditions.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City reviews annually and updates as necessary the Flood Plain Ordinance periodically. The Ordinance is under Chapter 18-29 – OVERLAY ZONES 18.29.070 Floodway (-FW), Floodway Fringe (-FF-1), and Floodway Fringe-Shallow Flooding (-FF-2) Zones. The Ordinance is designed to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to update Land Use Codes periodically./ <i>Objective 1.D: Encourage future development that incorporates planning that will not exacerbate hazardous conditions.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The Land Use Code (LUC) is the City's zoning code (Municipal Code Title 18 Zoning), which establishes regulations for the use and development of land. The LUC implements the broad policies of the General Plan by specifying the kinds and types of uses permitted on each parcel of land, the intensity of development allowed, and standards for development such as setbacks, lot coverage, parking, and building heights. The General Plan was last updated in 2011. Since then new state legislation and other regional and local changes had taken place. The Focused General Plan Update was conducted to provide residents and businesses the opportunity to shape the future direction of the City. The elements of the General Plan that were updated are: Land Use and Community Character, Circulation (Transportation), Safety, Housing</u></p>	

APPENDICES

	<p><u>Element, and Climate Action Plan. The City Council updated/adopted the Plan on August 3, 2021.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Implement Geographic Information System (GIS) program citywide./ <i>Objective 1.E: Consider appropriate zoning that will limit future development in hazard areas.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>National City's Zoning Ordinance is set-out in Chapter 18 of the Municipal Code. Specific zones define the distribution of residential, commercial, industrial, open space, and other zones based on the pattern of land uses established by the General Plan. Geographic Information System (GIS) maps were used extensively to develop and maintain the specific zones.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Use GIS and Census data to plot hazard areas for new development./ <i>Objective 1.E: Consider appropriate zoning that will limit future development in hazard areas.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>Geographic Information System (GIS) maps and Census data were used extensively to develop and maintain the specific hazard zones for new development.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, starting in mid-March 2020, each household began receiving correspondence in the mail from the U.S. Census Bureau informing them of the options for filling out the Census questionnaire, including online, by phone, or by a requested paper form.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct workshops with Neighborhood Councils, Chamber of Commerce, interested groups, schools, individual homeowners, and business community on hazards that require advance preparedness./ <i>Objective 2.A: Educate the public to increase awareness of hazards and opportunities for mitigation actions.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>We offer a variety of fire prevention classes to the public for free to include various topics such as:</u> <u>Dial 9-1-1Public Education session</u> <u>Using a Fire Extinguisher</u> <u>Installing Smoke Alarms</u> <u>E.D.I.T.H. – Exit Drills In The HOME</u> <u>Fire Extinguisher Training</u> <u>Juvenile Firesetter Counseling</u> <u>Vial of Life Program</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to promote disaster preparedness with the distribution of print materials or videos./ <i>Objective 2.A: Educate the public to increase awareness of hazards and opportunities for mitigation actions.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>Prior to the pandemic, our Community Emergency Response Teams (CERT) were active in promoting disaster preparedness with the distribution of print materials. After the pandemic, most of the education has been provided via the City’s website, online classes, and videos.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Participate in workgroup activities with the County Office of Emergency Services (OES), Unified Disaster Council (UDC)./ <i>Objective 2.B: Promote partnerships between the state, counties and other local governments to identify, prioritize and implement mitigation actions.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the workgroup activities with the County Office of Emergency Services (OES), Unified Disaster Council. We have attended the bi-monthly meetings, grant appropriation meetings, exercise development meetings, etc. After the pandemic, most of the meetings have been over to virtual platforms with no issues.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Participate in workgroup activities with other municipalities./Objective 2.B: Promote partnerships between the state, counties and other local governments to identify, prioritize and implement mitigation actions.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the Emergency Manager workgroup activities with other municipalities. We have attended the monthly meetings to discuss various emergency management topics of interest; e.g. grants, exercises, plans, etc. After the pandemic, most of the meetings have been over to the virtual platforms with no issues.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Participate in workgroup activities with SANDAG./Objective 2.B: Promote partnerships between the state, counties and other local governments to identify, prioritize and implement mitigation actions.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the workgroup activities with SANDAG. We have attended the monthly meetings that provide the public forum and decision point for significant regional issues such as growth, transportation, environmental management, housing, open space, air quality, energy, fiscal management, economic development, and criminal justice. Association Directors establish policies, adopt plans, allocate transportation funds, and develop programs for regional issues which are used by local governments as well as other public and private organizations. After the pandemic, most of the meetings have been over to virtual platforms with no issues.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Participate in workgroup activities with Caltrans./Objective 2.B: Promote partnerships between the state, counties and other local governments to identify, prioritize and implement mitigation actions.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the workgroup activities with CalTrans. We have attended the CalTrans gatherings of transit agency staff around specific topics to facilitate the open exchange of questions and experiences. These groups meet online once a quarter. These sessions typically include a peer presentation on a topic selected by the participants in advance. CalTrans staff and consultants facilitate the meetings, present relevant updates on the CalTrans project, and document and bring relevant issues that are raised into CalTran's road map.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings</u> 	

APPENDICES

	<u>were shifted from in-person events to virtual platforms.</u>
	3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct workshops with the Chamber of Commerce, Rotary Clubs, etc./ <i>Objective 2.C: Promote hazard mitigation in the business community.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City has conducted workshops with the Chamber of Commerce regarding disaster preparedness to include creating a disaster preparedness kit, developing business continuity plans, and provided ARPA grant funding to assist with recovery from the COVID-19 pandemic.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct informational meetings with business owners/managers./ <i>Objective 2.C: Promote hazard mitigation in the business community.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City has conducted informational meetings with business owners/managers regarding disaster preparedness to include creating a disaster preparedness kit, developing business continuity plans, and provided ARPA grant funding to assist with recovery from the COVID-19 pandemic.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Develop method to keep community informed of progress./ <i>Objective 2.D: Monitor and publicize the effectiveness of mitigation actions implemented citywide.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City has developed the http://nationalcityprojects.com/ website to keep the community informed of progress of mitigation actions that are often funded with Capital Improvement Projects (CIP) funds. For example, the P-1 Sewer Upsize Project includes open trench construction to remove and replace approximately 1490 linear feet of 8 inch diameter vitrified clay pipe (VCP) with 12 inch diameter PVC sewer main, manholes, laterals including pavement restoration, and placing a new sewer access road near the 2800 Block of D Avenue, just west of D Avenue. The work commences approximately 750 feet west of D Avenue and proceeds east for approximately 1500 feet through Sweetwater High School property and ends at F Avenue.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Funds to tackle hazard mitigation projects is the biggest obstacle.</u></p>	

APPENDICES

	3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Actively implement code enforcement for building without permits./ <i>Objective 2.E: Discourage building construction that exacerbates hazardous conditions.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City actively implements code enforcement for building without permits. The Community Development Department consists of the Building Division, Engineering Division, Planning Division and the Fire Department. These departments should always be contacted prior to commencing plan preparation or work to assure the necessary requirements related to the project are known. The City utilizes the 2019 California Building, Plumbing, Mechanical, Electrical, Fire and Energy Codes along with the Current Edition of the International Building Code, the Uniform Plumbing and Mechanical Codes, the National Electrical Code, as well as other applicable city and state codes, ordinances and regulations.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Actively implement code enforcement for hazardous occupancies in accordance with adopted codes./ <i>Objective 2.E: Discourage building construction that exacerbates hazardous conditions.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City actively implements code enforcement for hazardous occupancies in accordance with adopted codes. The Community Development Department consists of the Building Division, Engineering Division, Planning Division and the Fire Department. These departments should always be contacted prior to commencing plan preparation or work to assure the necessary requirements related to the project are known. The City utilizes the 2019 California Building, Plumbing, Mechanical, Electrical, Fire and Energy Codes along with the Current Edition of the International Building Code, the Uniform Plumbing and Mechanical Codes, the National Electrical Code, as well as other applicable city and state codes, ordinances and regulations.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Update and adopt the City of National City Emergency Plan every 10 years./ <i>Objective 3.A: Increase awareness and knowledge of hazard mitigation principles and practice among local officials.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City updated and adopted the National City Emergency Plan every 10 years. The Emergency Operations Plan was last adopted on October 20, 2020.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Update and adopt the Hazard Mitigation Plan every 5 years./ <i>Objective 3.A: Increase awareness and knowledge of hazard mitigation principles and practice among local officials.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City updated and adopted the Hazard Mitigation Plan every 5 years. The Hazard Mitigation Plan was last adopted on December 5, 2017.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Work with the Fire Department, Development Services Department, Community Development Department, and Police Department to develop the hazard mitigation plan./ <i>Objective 3.B: Develop a hazard mitigation plan and provide technical assistance to implement the plan.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Hazard Mitigation Plan was developed in coordination with the Fire Department, Development Services Department, Community Development Department, and Police Department. The Hazard Mitigation Plan was last adopted on December 5, 2017.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Implement hazard mitigation plan recommendations./ <i>Objective 3.B: Develop a hazard mitigation plan and provide technical assistance to implement the plan.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Hazard Mitigation Plan has been implemented in coordination with the Fire Department, Development Services Department, Community Development Department, and Police Department.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to work with the Chamber of Commerce, American Red Cross, County Office of Emergency Services (OES), Unified Disaster Council (UDC), and Federal Emergency Management Agency (FEMA) to develop mitigation plans./ <i>Objective 4.A: Establish and maintain closer working relationships with state agencies and other local governments.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has worked through the County Office of Emergency Services to help coordinate and understand the needs of the Chamber of Commerce, American Red Cross and Federal Emergency Management Agency to develop the mitigation plan.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue support/participation in regional programs to include HIRT and USAR./ <i>Objective 4.A: Establish and maintain closer working relationships with state agencies and other local governments.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has continued to support regional programs to include HIRT by contributing annually with funding as a member of the Unified Disaster Council.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Hold seminars to encourage organizations to take mitigation actions. This initiative can be developed in modular format to address the information needs of a range of target groups./ <i>Objective 4.B: Encourage other organizations to incorporate hazard mitigation activities.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has encouraged organizations to take mitigation actions. For example, after suffering storm drain damage due to debris flows in 2017, the City's Public Works Department now monitors the National Weather Service for rain forecasts and cleans out storm drains prior to the rainstorm events.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Make available a copy of the completed Hazard Mitigation Plan for the public to view./ <i>Objective 4.B: Encourage other organizations to incorporate hazard mitigation activities.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has made available a copy of the completed Hazard Mitigation Plan for the public to view. A copy of the Plan was placed in the Library for public comment prior to adoption and a copy was left at the City Clerk's Office.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Work with the Fire Department, Development Services Department, Community Development Department, and Police Department to develop hazard mitigation plan./ <i>Objective 4.C: Improve the City's capability and efficiency at administering pre-and post- disaster mitigation.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Hazard Mitigation Plan was developed in coordination with the Fire Department, Development Services Department, Community Development Department, and Police Department. The Hazard Mitigation Plan was last adopted on December 5, 2017.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain an Emergency Response Plan./ <i>Objective 4.C: Improve the City's capability and efficiency at administering pre-and post- disaster mitigation.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City updated and adopted the National City Emergency Operations Plan every 10 years. The Emergency Operations Plan was last adopted on October 20, 2020.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Schedule Emergency Response Plan Exercises./ <i>Objective 4.C: Improve the City's capability and efficiency at administering pre-and post- disaster mitigation.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City conducts and schedules annual training and exercises that utilizes the City's Emergency Operations Plan.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct on-going education programs to inform the community of pre-and post-disaster advice./ <i>Objective 4.C: Improve the City's capability and efficiency at administering pre-and post- disaster mitigation.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has conducted informational meetings with the community regarding disaster preparedness to include creating a disaster preparedness kit, first-aid and CPR classes, and fire extinguisher training.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address</u> 	

APPENDICES

	<p><u>potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct workshops with Neighborhood Councils, Chamber of Commerce, individual homeowners, and business community on hazards that require advance preparedness./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	<p>● Project completed</p>	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City has conducted workshops with Neighborhood Councils, Chamber of Commerce, individual homeowners, and business community on hazards that require advance preparedness. We have offered a variety of fire prevention classes to the public for free to include various topics such as:</u></p> <p style="margin-left: 40px;"><u>Dial 9-1-1 Public Education session</u> <u>Using a Fire Extinguisher</u> <u>Installing Smoke Alarms</u> <u>E.D.I.T.H. – Exit Drills In The HOME</u> <u>Fire Extinguisher Training</u> <u>Juvenile Firesetter Counseling</u> <u>Vial of Life Program</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Recommend that the City retrofit the City Hall as funds become available./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	<p>● Project delayed</p> <p><u>Explain Funds did not become available until ARPA funding was provided in response to COVID-19 Pandemic.</u></p>	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>As ARPA funds became available to the City, inquiries for different uses of the funds was requested. One of the recommendations was that the City retrofit the City Hall as funds become available. The City has now looked at previous retrofit plans and are actively pursuing a contractor to perform the work.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Funds did not become available until ARPA funding was provided in response to COVID-19 Pandemic.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Actively pursue grant funds and other funding sources to retrofit City Hall./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	<p>● Project delayed</p> <p><u>Explain Funds did not become available until ARPA funding was provided in response to COVID-19 Pandemic.</u></p>	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>As ARPA funds became available to the City, inquiries for different uses of the funds was requested. One of the recommendations was that the City retrofit the City Hall as funds become available. The City has now looked at previous retrofit plans and are actively pursuing a contractor to perform the work.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Funds did not become available until ARPA funding was provided in response to COVID-19 Pandemic.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain an Emergency Response Plan and regularly schedule Exercises with City staff./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City updated and adopted the National City Emergency Operations Plan every 10 years. The Emergency Operations Plan was last adopted on October 20, 2020. The City conducts and schedules annual training and exercises that utilizes the City's Emergency Operations Plan.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain search and rescue equipment deployment objectives./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has maintained search and rescue equipment deployment objectives through the use of general funds and/or grant funds.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Determine structural safety of buildings to be used for care and shelter of evacuees./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has determined the structural safety of buildings to be used for care and shelter of evacuees. The City has also gathered an immediate shelter supply of items to provide sheltered individuals until the American Red Cross can assist.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Create and adopt the following mandatory Ordinances to reduce the possibility of damage and losses due to earthquakes: Unreinforced Masonry Building Seismic Retrofit Ordinance, Pre-Northridge Steel Moment Frame Retrofit Ordinance, Non-Ductile Concrete Building Seismic Retrofit Ordinance, Soft First Story Wood Frame Seismic Building Retrofit Ordinance, Tilt-up Building Seismic Retrofit Ordinance, Wood Frame Cripple Wall Seismic Retrofit Ordinance, and "Excessive Damage" Ordinance./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	● Project on schedule	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has begun to look at developing a process to retrofit City Hall, soft-story buildings, and unreinforced masonry buildings. The thought is to develop a comprehensive Ordinance that will make building owners voluntarily responsible for seismic retrofits. ARPA funds may be used in this effort to provide financial incentives for performing the seismic retrofit projects.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Create and adopt a back to business or building occupancy resumption program (BORP) program./ <i>Objective 5.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City participated in developing the County's Post-Disaster Housing Plan. The overall objective of the Plan was to provide guidance on post-disaster housing recovery planning and operations. The Plan was completed on October 29, 2018.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Adopt and implement existing building codes./ <i>Objective 5.B: Protect existing assets with the highest relative vulnerability to the effects of earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The 2019 California Building Code; the 2019 California Electrical code and 2017 National Electrical Code; the 2019 California Energy Code; Appendix J of the 2019 California Building Code, and Amending Chapter 15.70 (Grading) of the National City Municipal Code; the 2019 California Green Code; the 2019 California Mechanical Code; the 2019 California Plumbing Code; and the 2019 California Residential Code and all Appendices related to these Codes were introduced/adopted by the City Council on December 3, 2019.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct inspections of at-risk structures that conduct care for children, seniors, and other group homes./ <i>Objective 5.B: Protect existing assets with the highest relative vulnerability to the effects of earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City performs business and residential inspections to provide information on new construction code requirements and all fire protection systems. Building and fire safety inspections may be required for certain occupancies mandated by the state or required by the Building or Fire code. Inspections are mandatory for all new construction tenant improvement projects that affect or require fire safety equipment or processes.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct inspections of child care facilities, senior facilities, and other facilities where occupants may be severely impacted to ensure the structures are structurally safe./ <i>Objective 5.B: Protect existing assets with the highest relative vulnerability to the effects of earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City conducts inspections of child care facilities, senior facilities, and other facilities where occupants may be severely impacted to ensure the structures are structurally safe. The City performs business and residential inspections to provide information on new construction code requirements and all fire protection systems. Building and fire safety inspections may be required for certain occupancies mandated by the state or required by the Building or Fire code. Inspections are mandatory for all new construction tenant improvement projects that affect or require fire safety equipment or processes.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct informational meetings with Neighborhood Councils, Chamber of Commerce, individual homeowners, and business community./ <i>Objective 5.B: Protect existing assets with the highest relative vulnerability to the effects of earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City conducts informational meetings with Neighborhood Councils, Chamber of Commerce, individual homeowners, and business community. We offer a variety of fire prevention classes to the public for free to include various topics such as:</u></p> <p style="margin-left: 40px;"><u>Dial 9-1-1 Public Education session</u> <u>Using a Fire Extinguisher</u> <u>Installing Smoke Alarms</u> <u>E.D.I.T.H. – Exit Drills In The HOME</u> <u>Fire Extinguisher Training</u> <u>Juvenile Firesetter Counseling</u> <u>Vial of Life Program</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were</u></p>	

APPENDICES

	<u>proposed to share information and host activities.</u>
	3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Implement GIS program citywide./ <i>Objective 5.C: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>National City's Zoning Ordinance is set-out in Chapter 18 of the Municipal Code. Specific zones define the distribution of residential, commercial, industrial, open space, and other zones based on the pattern of land uses established by the General Plan. Geographic Information System (GIS) maps were used extensively to develop and maintain the specific zones.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Use GIS and Census data to locate vulnerable buildings./ <i>Objective 5.C: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>Geographic Information System (GIS) maps and Census data were used extensively to locate vulnerable buildings. For example, the City identified soft-story apartment buildings that pose a risk hazard during an earthquake.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Create a Vulnerable Building Inventory list./ <i>Objective 5.C: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from earthquakes.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City has created a vulnerable building inventory list that consists of soft-story apartment buildings that pose a risk hazard during an earthquake.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain Flood Retrofitting for Residential Structures./ <i>Objective 6.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City reviews annually and updates as necessary the Flood Plain Ordinance periodically. The Ordinance is under Chapter 18-29 – OVERLAY ZONES 18.29.070 Floodway (-FW), Floodway Fringe (-FF-1), and Floodway Fringe-Shallow Flooding (-FF-2) Zones. The Ordinance is designed to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain Storm Water System in Operable Conditions./Objective 6.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The Storm Water Division regulates and enforces Clean Water Act standards as prescribed by the National Pollutant Discharge Elimination System (NPDES) permit program. The goal of the program is to keep our waterways and community clean by reducing pollutants from entering the City's storm drain system. Examples of actions the City takes to reduce pollution and protect our waterways include street sweeping, storm drain cleaning, and inspecting businesses and construction sites to make sure they are following best practices to reduce pollution.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Reduce Impervious Surfaces through implementation of a landscape ordinance that encroaches previous site design./Objective 6.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>This City's Land Use Code incorporates Chapter 18-44 Landscaping, which expands upon the standards of Chapter 2 by addressing details of site planning, building design, landscaping, parking and loading, outdoor lighting, and signs and outdoor advertising displays. These standards are intended to ensure that all development produces an environment of stable and desirable character, is compatible with existing and future development, and protects the use and enjoyment of neighboring properties, consistent with the General Plan.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain and update a city-wide Evacuation Plan./Objective 6.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City maintains an Evacuation Plan as part of the City's Emergency Operations Plan, which is updated every 10 years. The Emergency Operations Plan was last adopted on October 20, 2020.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain search and rescue equipment deployment objectives./ <i>Objective 6.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.</i>	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has maintained search and rescue equipment deployment objectives through the use of general funds and/or grant funds.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to participate in the National Flood Insurance Program and requirement to review applications for conformance with NFIP standards./ <i>Objective 6.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to floods.</i>	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City reviews annually and updates as necessary the Flood Plain Ordinance periodically. The Ordinance is under Chapter 18-29 – OVERLAY ZONES 18.29.070 Floodway (-FW), Floodway Fringe (-FF-1), and Floodway Fringe-Shallow Flooding (-FF-2) Zones. The Ordinance is designed to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain adequate materials to disperse to the public for installing water barriers when necessary./ <i>Objective 6.B: Protect existing assets with the highest relative vulnerability to the effects of floods within the 100-year floodplain.</i>	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>In preparation of the next storm, the City has made sandbags available to the public to help protect homes, neighborhoods, streets, and other properties from flooding and soil erosion problems. 10 Free sandbags are available to National City residents (with proof of ID) at National City Fire Stations #31 (2333 Euclid Avenue) and #34 (343 East 16th Street) from 8am-6pm. Free sand is also available while supplies last in the parking lot just north of the Boys and Girls Club on 'D' Avenue next to Kimball Park.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Construct detention basins when necessary and review new development for adequate design features./ <i>Objective 6.B: Protect existing assets with the highest relative vulnerability to the effects of floods within the 100-year floodplain.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City provides a Best Management Practice Design Manual for developers to construct detention basins when necessary and review new development for adequate design features.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Regularly participate in workgroup activities with the County./ <i>Objective 6.C: Coordinate with and support existing efforts to mitigate floods (e.g., U.S. Army Corps of Engineers, US Bureau of Reclamation, and California Department of Water Resources).</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the workgroup activities with the County Office of Emergency Services (OES), Unified Disaster Council. We have attended the bi-monthly meetings, grant appropriation meetings, exercise development meetings, etc. After the pandemic, most of the meetings have been over to virtual platforms with no issues.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Regularly participate in workgroup activities with the Caltrans./ <i>Objective 6.C: Coordinate with and support existing efforts to mitigate floods (e.g., U.S. Army Corps of Engineers, US Bureau of Reclamation, and California Department of Water Resources).</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the workgroup activities with CalTrans. We have attended the CalTrans gatherings of transit agency staff around specific topics to facilitate the open exchange of questions and experiences. These groups meet online once a quarter. These sessions typically include a peer presentation on a topic selected by the participants in advance. CalTrans staff and consultants facilitate the meetings, present relevant updates on the CalTrans project, and document and bring relevant issues that are raised into CalTran's road map.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Regularly participate in workgroup activities with the other municipalities./Objective 6.C: Coordinate with and support existing efforts to mitigate floods (e.g., U.S. Army Corps of Engineers, US Bureau of Reclamation, and California Department of Water Resources).	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has participated in most of the Emergency Manager workgroup activities with other municipalities. We have attended the monthly meetings to discuss various emergency management topics of interest: e.g. grants, exercises, plans, etc. After the pandemic, most of the meetings have been over to the virtual platforms with no issues.</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating the meetings. Consistent with official public health guidance, meetings were shifted from in-person events to virtual platforms.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Prepare and implement Best Management Practices for all new development./Objective 6.D: Minimize repetitive losses caused by flooding.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City provides a Best Management Practice Design Manual for all new development.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Schedule Flood Mitigation and recovery Interactive Exercises./Objective 6.D: Minimize repetitive losses caused by flooding.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City conducts and schedules annual training and interactive exercises that utilizes the City's Emergency Operations Plan that at times involves flood mitigation.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Identify and prioritize critical facilities within dam inundation zones./Objective 6.E: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from flooding/dam failure.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>Geographic Information System (GIS) maps are used extensively to identify and prioritize critical facilities within dam inundation zones.</u> 	

APPENDICES

	2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u>
	3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Update plans/data periodically to adequately represent vulnerable populations./Objective 6.E: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from flooding/dam failure.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City updates Geographic Information System (GIS) maps periodically to adequately represent vulnerable populations.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct survey of assets within dam inundation areas./Objective 6.E: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from flooding/dam failure.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City uses Geographic Information System (GIS) maps periodically to survey assets within dam inundation areas.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Update GIS maps that identify the dam inundation zones./Objective 6.E: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from flooding/dam failure.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City uses Geographic Information System (GIS) maps that identify the dam inundation zones.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Regularly maintain a Fire Prevention Program./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>We offer a variety of fire prevention classes to the public for free to include various topics such as:</u> <u>Dial 9-1-1 Public Education session</u> <u>Using a Fire Extinguisher</u> <u>Installing Smoke Alarms</u> <u>E.D.I.T.H. – Exit Drills In The HOME</u> <u>Fire Extinguisher Training</u> <u>Juvenile Firesetter Counseling</u> <u>Vial of Life Program</u> 2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, outreach activities were shifted from in-person events to virtual platforms. To address potential barriers to participation and maximize outreach, a variety of media and activities were proposed to share information and host activities.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Regularly maintain a Pre-Fire Plan Program./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City will review plans and will either approve them for a permit or note corrections that need to be made to the plans. If you had to make corrections, you need to resubmit the plans for review. When the plans are approved, a permit will be given to you and we will schedule an inspection of the site. Under no circumstances should work be performed without approved plans or permit. The whole process takes approximately 10-30 business days to complete.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Regularly maintain a Fire Suppression Program./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Operations Division, under the supervision of the on-duty Battalion Chief, oversees 39 full-time sworn personnel who respond to fires, emergency medical calls, rescues, hazardous incidents, and all other emergency and non-emergency calls for service from three fire stations that are staffed 24-hours a day, 7-days a week.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Assess staffing levels of Fire Prevention Staff and increase as appropriate./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Prevention Division, under the supervision of the Fire Marshal, oversees a business inspection/plan checking program. An assessment of staffing levels was completed in FY19/20, which resulted in the hiring of an additional Fire Inspector to handle more business inspections.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Develop a Housing Inspection Program and routinely conduct housing inspections of homes over 50 years old./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Prevention Division, under the supervision of the Fire Marshal, Building and Planning Department oversee a housing inspection/plan checking program. Upon obtaining a building permit, a Building Inspection Record is issued to go along with a set of approved plans. The building owner is to maintain both the plans and the inspection record on the job site at all times and make both available for the inspector's use. The contractor is required to notify the Building Division that such work is ready for inspection. When the inspector has completed the inspection of a particular phase of construction, for which an inspection has been required, he/she will sign off on the inspection record, at which time the contractor may continue with the next phase of the project. However, if that phase of construction has not been constructed in accordance with the approved plans and/or to code, a correction notice will be posted on the job site. The contractor is responsible for making the corrections and shall request a re-inspection.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct a Housing Outreach Program./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	o Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Housing Authority runs a robust housing outreach program. Most of the housing resources can be found here: https://www.nationalcityca.gov/government/national-city-housing-authority/other-housing-resources.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain/update all Arson Registrants with required registration and conditions of probation or parole./Objective 7.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to structural fire/wildfire.	
Project Status	o Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Records Division in the National City Police Department maintains/updates all Arson Registrants with required registration and conditions of probation or parole. Often, the arson registrant information is shared with the Fire Department's Fire Marshal, who further shares the information with Fire Operations in order to help identify possible arson incidents in the vicinity.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain response times, pumping capacity and apparatus and equipment deployment objectives./ <i>Objective 7.B: Protect existing assets with the highest relative vulnerability to the effects of structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has maintained Maintain response times, pumping capacity and apparatus and equipment deployment objectives through the use of general funds and/or grant funds to purchase apparatus/equipment and maintain staffing levels.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Annually assess staffing levels and ensure adequate staffing is available to meet fire suppression objectives./ <i>Objective 7.B: Protect existing assets with the highest relative vulnerability to the effects of structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has annually assessed staffing levels to ensure adequate staffing is available to meet fire suppression objectives. In FY19/20, the Fire Department was awarded a SAFER grant to hire five firefighters. More recently, the Fire Department hired three lateral firefighters to deal with immediate staffing levels due to retirement/resignation.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain standard operating procedures for fire ground operations./ <i>Objective 7.B: Protect existing assets with the highest relative vulnerability to the effects of structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City maintains standard operating procedures for fire ground operations. Recently, the Fire Department is having a response study conducted to ensure enough staff are present on the fire ground during actual fires.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct annual wildland fire fighting and ICS training to ensure operational readiness./ <i>Objective 7.B: Protect existing assets with the highest relative vulnerability to the effects of structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City conducts annual wildland fire fighting and ICS training to ensure operational readiness. Each year, the Fire Department sends staff to RT-130, Wildland Fire Safety Training Annual Refresher courses.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Identify and work to eliminate non-fire resistant roofs./ <i>Objective 1.A: Encourage and facilitate the adoption of building codes for new development and renovation that will protect these assets and new development in hazard areas.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Department tries to identify and work to eliminate non-fire resistant roofs according to adopted codes. Currently, the City uses the 2019 California Fire Code, which was introduced/adopted by the City Council on December 3, 2019.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Install automatic fire detection and extinguishing systems in buildings according to adopted codes./ <i>Objective 1.A: Encourage and facilitate the adoption of building codes for new development and renovation that will protect these assets and new development in hazard areas.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Department requires the installation of automatic fire detection and extinguishing systems in buildings according to adopted codes. Currently, the City uses the 2019 California Fire Code, which was introduced/adopted by the City Council on December 3, 2019.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain mutual/auto aid agreements with neighboring municipalities./ <i>Objective 7.C: Coordinate with and support existing efforts to mitigate structural fire/wildfire.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Department maintains mutual/auto aid agreements with neighboring municipalities.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain an inspection process to ensure buildings are constructed in accordance with adopted codes./ <i>Objective 7.C: Coordinate with and support existing efforts to mitigate structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City actively maintains an inspection process to ensure buildings are constructed in accordance with adopted codes. The Community Development Department consists of the Building Division, Engineering Division, Planning Division and the Fire Department. These departments should always be contacted prior to commencing plan preparation or work to assure the necessary requirements related to the project are known. The City utilizes the 2019 California Building, Plumbing, Mechanical, Electrical, Fire and Energy Codes along with the Current Edition of the International Building Code, the Uniform Plumbing and Mechanical Codes, the National Electrical Code, as well as other applicable city and state codes, ordinances and regulations.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Conduct evacuation drills in high rise buildings./ <i>Objective 7.C: Coordinate with and support existing efforts to mitigate structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Fire Prevention Division does not have sufficient staff to conduct evacuation drills in high-rise buildings. However, high-rise building owners are notified to conduct training and maintain their fire suppression systems during fire safety inspections.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Maintain/update all Arson Registrants with required registration and conditions of probation or parole./ <i>Objective 7.C: Coordinate with and support existing efforts to mitigate structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Records Division in the National City Police Department maintains/updates all Arson Registrants with required registration and conditions of probation or parole. Often, the arson registrant information is shared with the Fire Department's Fire Marshal, who further shares the information with Fire Operations in order to help identify possible arson incidents in the vicinity.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 	

APPENDICES

	3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Implement GIS program citywide./ <i>Objective 7.D: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City's Zoning Ordinance is set-out in Chapter 18 of the Municipal Code. Specific zones define the distribution of residential, commercial, industrial, open space, and other zones based on the pattern of land uses established by the General Plan. Geographic Information System (GIS) maps were used extensively to develop and maintain the specific zones.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Use GIS and Census data to locate vulnerable buildings./ <i>Objective 7.D: Address identified data limitations regarding the lack of information about the relative vulnerability of assets from structural fire/wildfire.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>The City's Geographic Information System (GIS) maps and Census data were used extensively to locate vulnerable buildings.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>The COVID-19 pandemic created a unique challenge to facilitating community engagement. Consistent with official public health guidance, starting in mid-March 2020, each household began receiving correspondence in the mail from the U.S. Census Bureau informing them of the options for filling out the Census questionnaire, including online, by phone, or by a requested paper form.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Clearly identify potential tsunami prone areas./ <i>Objective 8.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to tsunamis.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<p>1. What was accomplished for this project during this reporting period? <u>In 2015, the City received tsunami inundation maps that clearly identified potential tsunami prone areas.</u></p> <p>2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u></p> <p>3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u></p>	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Review the Tsunami Evacuation Playbook periodically to ensure efficient notification protocols./ <i>Objective 8.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to tsunamis.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City participates in an annual tsunami exercise each year put on by the County Office of Emergency Services. It requires the City to review the Tsunami Evacuation Playbook to ensure efficient notification protocols.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Enforce regulatory measures related to development within 100-year flood plain./ <i>Objective 8.B: Coordinate with and support existing efforts to mitigate floods (e.g., US Army Corps of Engineers, US Bureau of Reclamation, and California Department of Water Resources).</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City reviews annually and updates as necessary the Flood Plain Ordinance periodically. The Ordinance is under Chapter 18-29 – OVERLAY ZONES 18.29.070 Floodway (-FW), Floodway Fringe (-FF-1), and Floodway Fringe-Shallow Flooding (-FF-2) Zones. The Ordinance is designed to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas. The City uses the Flood Plain Ordinance to enforce regulatory measures related to development within 100-year flood plain.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Periodically review the City's compliance with NFIP regulations, as resources become available./ <i>Objective 8.B: Coordinate with and support existing efforts to mitigate floods (e.g., US Army Corps of Engineers, US Bureau of Reclamation, and California Department of Water Resources).</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City reviews annually and updates as necessary the Flood Plain Ordinance periodically. The Ordinance is under Chapter 18-29 – OVERLAY ZONES 18.29.070 Floodway (-FW), Floodway Fringe (-FF-1), and Floodway Fringe-Shallow Flooding (-FF-2) Zones. The Ordinance is designed to promote the public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Restrict ability to re-build, unless mitigation measures to avoid repeat losses are taken./ <i>Objective 8.C: Minimize repetitive losses caused by coastal flooding, erosion, sea-level rise, and/or tsunami.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Land Use Code (LUC) is the City's zoning code (Municipal Code Title 18 Zoning), which establishes regulations for the use and development of land. The LUC implements the broad policies of the General Plan by specifying the kinds and types of uses permitted on each parcel of land, the intensity of development allowed, and standards for development such as setbacks, lot coverage, parking, and building heights. The LUC restricts the ability to re-build, unless mitigation measures are made to avoid repeat losses are taken.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Work with regional agencies, (OES, UDC, SanGIS) to accurately map the tsunami inundation maps./ <i>Objective 8.D: Address identified data limitations regarding the lack of information about relative vulnerability of assets from tsunami.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has worked with regional agencies, (OES, UDC, SanGIS) to accurately map the tsunami inundation maps. The latest tsunami inundation map was updated in 2015.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Share and train with acquired information with all City departments and personnel./ <i>Objective 8.D: Address identified data limitations regarding the lack of information about relative vulnerability of assets from tsunami.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Emergency Manager has shared and trained staff on the Emergency Action Checklist Response to a Tsunami. Annually, during Tsunami Preparedness week in March, the City participates in an exercise that activates the checklist in response to a tsunami.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to coordinate with neighboring jurisdictions on joint training opportunities between staff./ <i>Objective 8.D: Address identified data limitations regarding the lack of information about relative vulnerability of assets from tsunami.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City's Emergency Manager has shared and trained staff on the Emergency Action Checklist Response to a Tsunami. Annually, during Tsunami Preparedness week in March, the City participates in an exercise that activates the checklist in response to a tsunami. The County OES coordinates with all neighboring jurisdictions on this joint training opportunity.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Encourage residents to adopt drought tolerant landscaping or xeriscape practices./ <i>Objective 9.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to extreme heat and drought.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>This City's Land Use Code incorporates Chapter 18-44 Landscaping, which expands upon the standards of Chapter 2 by addressing details of site planning, building design, landscaping, parking and loading, outdoor lighting, and signs and outdoor advertising displays. These standards are intended to ensure that all development produces an environment of stable and desirable character, is compatible with existing and future development, and protects the use and enjoyment of neighboring properties, consistent with the General Plan. The City encourages residents to adopt drought tolerant landscaping or xeriscape practices as outlined in the Land Use Code.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Organize outreach to vulnerable populations./ <i>Objective 9.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to extreme heat and drought.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City organizes outreach to vulnerable populations when notified by the National Weather Service of extreme heat events. In those instances, the City advertises Cool Zones that residents can use to stay hydrated and safe from the heat. For example, on September 5, 2020, the City opened the Martin Luther King Community Center for one of the hottest days in history.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Provide educational materials on severe weather and mitigation strategies on the City website and through all forms of social media./ <i>Objective 9.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to extreme heat and drought.</i>	
Project Status	● Project completed	

APPENDICES

Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City organizes outreach to vulnerable populations when notified by the National Weather Service of extreme heat events. In those instances, the City provides educational materials on severe weather and mitigation strategies on the City website and through all forms of social media. In addition, the City advertises Cool Zones that residents can use to stay hydrated and safe from the heat. For example, on September 5, 2020, the City opened the Martin Luther King Community Center for one of the hottest days in history.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u>
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Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Link vulnerable populations to resources such as cooling centers and transportation services in order to reduce losses in the face of drought or extreme heat./ <i>Objective 9.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to extreme heat and drought.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City organizes outreach to vulnerable populations when notified by the National Weather Service of extreme heat events. In those instances, the City links vulnerable populations to resources such as cooling centers and transportation services in order to reduce losses in the face of drought or extreme heat. For example, on September 5, 2020, the City opened the Martin Luther King Community Center for one of the hottest days in history.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Continue to participate in the National Weather Service StormReady Program./ <i>Objective 9.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to extreme heat and drought.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City continues to participate in the National Weather Service StormReady Program.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

Progress Report Period	From Date: September 2017	To Date: September 2022
Action/Project Title	Implement water efficiency upgrades at municipal buildings, parks and publicly owned facilities./ <i>Objective 9.A: Develop a comprehensive approach to reducing the possibility of damage and losses due to extreme heat and drought.</i>	
Project Status	● Project completed	
Summary of Project Progress for this Report Period	<ol style="list-style-type: none"> 1. What was accomplished for this project during this reporting period? <u>The City has implemented water efficiency upgrades at municipal buildings, parks, and publicly owned facilities. According to 2006 data, National City (as a division of the Sweetwater Authority) uses the least amount of water per capita of any of the water districts in San Diego County.</u> 2. What obstacles, problems, or delays did the project encounter? <u>Not Applicable.</u> 3. If uncompleted, is the project still relevant? Should the project be changed or revised? <u>Not Applicable.</u> 	

APPENDICES

7.4. Plan Update Evaluation

7.4.1. Role of the Planning Team in Implementation and Maintenance

With adoption of this plan, the City will be tasked with plan implementation and maintenance. This will be accomplished by keeping the Planning Team active throughout the lifecycle of the plan. The Planning Team agrees to:

- Act as a forum for hazard mitigation issues,
- Disseminate hazard mitigation ideas and activities to all participants,
- Pursue the implementation of high-priority, low/no-cost recommended actions,
- Keep the concept of mitigation in the forefront of community decision making by identifying plan recommendations when other community goals, plans, and activities overlap, influence, or directly affect increased community vulnerability to disasters,
- Maintain a monitoring of multi-objective cost-share opportunities to help the community implement the plan's recommended actions for which no current funding exists,
- Monitor and assist in implementation and update of this plan,
- Report on plan progress and recommended changes to the City Council, and
- Inform and solicit input from the public.

Other duties include reviewing and promoting mitigation proposals, providing technical assistance in implementing mitigation codes and ordinances, considering stakeholder concerns about hazard mitigation, passing concerns on to appropriate entities, and posting relevant information on the City's website, in the local newspaper, and on social media. Unincorporated communities and special districts not participating in this plan will be integrated into mitigation implementation wherever possible.

7.4.2. Plan Maintenance

The San Diego County Multi-Jurisdictional Hazard Mitigation Plan is a living document that may be adjusted or updated as conditions change, actions progress, or new information becomes available. It also incorporates projects that have failed or are not considered feasible after a review for their consistency with established criteria, the time frame, priorities, and/or funding resources.

7.4.3. Plan Updates

The San Diego County Multi-Jurisdictional Hazard Mitigation Plan will be reviewed and revised at least every 5-years in accordance with the DMA 2000 requirements and latest FEMA and DHSEM hazard mitigation planning guidance. Updates to this plan will consider:

- Has the nature or magnitude of hazards affecting the planning area changed?
- Are there new hazards that have the potential to impact the planning area?
- Have growth and development changed the planning area's vulnerabilities?
- Do the identified goals and actions still address current and expected conditions?
- Have mitigation actions been implemented or completed?
- Has the implementation of identified mitigation actions resulted in expected outcomes?
- Are current resources adequate to implement the plan?
- Should additional local resources be committed to address identified hazards?

APPENDICES

The updated plan will document success stories where mitigation efforts have proven effective, as well as areas where mitigation actions were not effective, and will include re-adoption by all participating entities following State/FEMA approval.

Any interested party wishing for an update of this Plan sooner than the regular 5-year update will submit such a request to the City’s Fire Department for consideration. The Department will evaluate all such requests and bring them to the full Planning Team for consideration.

TABLE 146: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 7.2 DATA.

Plan Section	Considerations	Explanation
Planning Process	Should new jurisdictions and/or districts be invited to participate in future plan updates?	Yes, the National School District should be invited to participate in future plan updates.
	Have any internal or external agencies been invaluable to the mitigation strategy?	Fire Department Engineering Department Community Development Department City Manager’s Office
	Can any procedures (e.g., meeting announcements, plan updates) be done differently or more efficiently?	Yes, the continued use of virtual meetings can make the planning process more efficient.
	Has the Planning Team undertaken any public outreach activities?	No, the Planning Team did not undertake any public outreach activities, but will take public input once the plan is drafted.
	How can public participation be improved?	Public participation can be improved by using virtual meetings to share information and gather feedback.
	Have there been any changes in public support and/or decision- maker priorities related to hazard mitigation?	Yes, there has been a renewed interest by the City Manager’s Office for seismic retrofit projects.
Capability Assessment	Have jurisdictions adopted new policies, plans, regulations, or reports that could be incorporated into this plan?	Yes, National City continues to incorporate new codes that affect mitigation strategies.
	Are there different or additional administrative, human, technical, and financial resources available for mitigation planning?	Yes, ARPA funds may be available to help fulfill some mitigation activities.
	Are there different or new education and outreach programs and resources available for mitigation activities?	The City has begun to look at developing a Seismic Awareness Campaign. The thought is to develop a comprehensive Campaign that will make residential and commercial building owners responsible for taking steps toward seismic retrofits.
	Has NFIP participation changed in the participating jurisdictions?	No, not at this time.

APPENDICES

Risk Assessment	Has a natural and/or technical or human-caused disaster occurred?	Yes, the COVID-19 pandemic.
	Should the list of hazards addressed in the plan be modified?	Yes, mitigation strategies to counteract a pandemic should be added to the plan.
	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?	Yes, new data sources and maps have revealed inequities throughout the County of San Diego in regards to combatting the COVID-19 pandemic that should be addressed in future plan updates.
	Do any new critical facilities or infrastructure need to be added to the asset lists?	No, not at this time.
	Have any changes in development trends occurred that could create additional risks?	No, not at this time.
	Are there repetitive losses and/or severe repetitive losses to document?	Yes, according to the 2022 FEMA Repetitive Loss Summary Report, the City of National City had 3 Repetitive Loss properties, but no Severe Repetitive Loss properties. The 3 repetitive losses were to two Nonresidential and one Commercial property.

TABLE 157: FEMA LOCAL MITIGATION PLANNING HANDBOOK WORKSHEET 7.2 DATA CONTINUED

Plan Section	Considerations	Explanation
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?	No.
	Are there new obstacles that were not anticipated in the plan that will need to be considered in the next plan update?	No, funding is the recurring obstacle.
	Are there new funding sources to consider?	Yes, ARPA funds may be available to help fulfill some mitigation activities.
	Have elements of the plan been incorporated into other planning mechanisms?	Yes, aspects of the Mitigation Plan have been incorporated into the City's General Plan.
	Was the plan monitored and evaluated as anticipated?	Yes.

APPENDICES

Plan Maintenance Procedures	What are needed improvements to the procedures?	We need to go back to the way the very first County Hazard Mitigation Plan was created, which required all cities to meet at County OES to work together on the mitigation strategies.
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