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City of Seaside

Table S-1
City of Seaside Estimated Population and Building Inventory

Population	Residential Buildings		Nonresidential Buildings	
2000 Census Population Count*	Total Building Count	Total Value of Buildings **- (x\$1000)	Total Building Count	Total Value of Buildings*** (x\$1000)
34,130	5,693	740,263	956	226,008

Source: Monterey County (residential and commercial buildings) and U.S. Census 2000 population data.

* Population count based on 2000 census numbers.

** Tax Assessor records.

*** Tax Assessor records.

Table S-2
City of Seaside Critical Facilities and Infrastructure

Category	Facility	Address	Estimated Insured Structural Value (x\$1000)
Emergency Response	Seaside Police Department	440 Harcourt Ave.	
	Seaside Fire Department	1635 Broadway Ave.	55
Care	Monterey Bay Residential Care	555 Francis Street	614
	Seaside Family Health Center	1150 Fremont Blvd	614
Educational	Cabrillo Family Resource	1295 La Salle Avenue	590
	California State University Monterey Bay	100 Campus Center	590
	Central Coast High School	200 Coe Avenue	590
	Chartwell School	2511 Numa Watson Rd.	590
	Del Rey Woods Elementary School	1281 Plumas Ave.	590
	Hayes Adult School	200 Coe Avenue	590
	Highland Elementary School	1650 Sonoma Ave.	590
	International Elementary School	1720 Yosemite Street	590
	King Middle School	1713 Broadway Ave.	590
	Marshall Elementary School - West	225 Normandy Road	590
	Marshall School - East	300 Normandy Road	590
	Ord Terrace Elementary School	1755 LaSalle Ave.	590
	Salvation Army	1491 Contra Costa Street	590
	Seaside Children's Center	1450 Elm Ave.	590

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City of Seaside Critical Facilities and Infrastructure

Category	Facility	Address	Estimated Insured Structural Value (x\$1000)
	Seaside High School	2200 Noche Buena St.	590
	Seaside Middle School	999 Coe Avenue	590

Source: FEMA HAZUS-MH (estimated values), Monterey County, City of Seaside.

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Table S-3
City of Seaside Potential Hazard Vulnerability Analysis – Population and Buildings

Hazard Type	Methodology	Population	SoVI	Buildings			
				Number	Score	Residential	Nonresidential
Agricultural Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal Erosion	100-year erosion zone	0	N/A	0	0	0	0
Dam Failure	Inundation area	0	N/A	0	0	0	0
	Extreme	0	N/A	0	0	0	0
Earthquake	High	31,696	0.29	5,693	740,263	956	226,008
	Moderate	0	0	0	0	0	0
Flood	100-year flood zone	17	-0.95	0	0	0	0
	1-mile buffer transport corridor	25,687	0.33	4,444	585,722	866	191,469
Hazardous Materials Event	1-mile buffer fixed site	N/A	N/A	N/A	N/A	N/A	N/A
Landslide	High	N/A	N/A	N/A	N/A	N/A	N/A
	Moderate	N/A	N/A	N/A	N/A	N/A	N/A
Sea Level Rise	Inundation area	0	N/A	0	0	0	0
Tsunami	Inundation area	6	-0.68	0	0	6	9,926
	Very high	0	N/A	0	0	0	0
Wildland Fire	High	311	-1.01	3	345	7	195
	Moderate	30,899	-0.44	5,659	729,282	930	225,779
Windstorm	Prevailing wind zone	N/A	N/A	N/A	N/A	N/A	N/A

¹Value = Building value based on Tax Assessor records (x1000)
N/A = Not Applicable

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Table S-4
City of Seaside Potential Hazard Vulnerability Analysis – Critical Facilities

		Government			Emergency Response			Lifeline Utilities			Care			Educational			Marine, Environmental, and Community			Total	
Hazard	Methodology	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹
Agricultural Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal Erosion	100-year erosion zone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dam Failure	Inundation area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earthquake	Extreme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flood	High	0	0	3	55	0	0	5	1,074	16	1,993	0	0	0	0	0	0	24	3,122	0	0
Hazardous Materials Event	Moderate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Landslide	100-year flood zone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wildland Fire	1-mile buffer transport corridor	0	0	3	55	0	0	5	1,074	10	1,916	0	0	0	0	0	0	18	3,045	0	0
Tsunami	Very high	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Windstorm	High	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Moderate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Predominant wind zone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

¹ Value = Building value based on Tax Assessor records (x1000)
N/A = Not Applicable

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Table S-5
City of Seaside Potential Hazard Vulnerability Analysis – Critical Infrastructure

Hazard	Methodology	Highways		Railroads		Bridges		Airports	
		Miles	Value (\$)¹	Miles	Value (\$)¹	Number	Value (\$)¹	Number	Value (\$)¹
Agricultural Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal Erosion	100-year erosion zone	0.0	0	0.0	0	0	0	0	0
Dam Failure	Inundation area	0.0	0	0.0	0	0	0	0	0
	Extreme	0.0	0	0.0	0	0	0	0	0
Earthquake	High	5.5	0.0	0	0	5	0	0	0
	Moderate	0.0	0	0.0	0	0	0	0	0
Flood	100-year flood zone	0.0	0	0.0	0	0	0	0	0
	1-mile buffer transport corridor	5.5		0.0	0	5		0	0
Hazardous Materials Event	1-mile buffer fixed site	0.0	0	0.0	0	0	0	0	0
Landslide	High	0.0	0	0.0	0	0	0	0	0
	Moderate	0.0	0	0.0	0	0	0	0	0
Sea Level Rise	Inundation area	0.0	0	0.0	0	0	0	0	0
Tsunami	Inundation area	0.0	0	0.0	0	0	0	0	0
	Very high	0.0	0	0.0	0	0	0	0	0
Wildland Fire	High	0.1		0.0	0	0	0	0	0
	Moderate	5.1		0.0	0	3		0	0
Windstorm	Prevailing wind zone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

¹

Value = Estimated value (x1000)

N/A = Not Applicable

Earthquake

No residents, buildings, or critical facilities are located in an extreme shaking hazard area or a moderate shaking hazard area. However, approximately 93 percent of the city's residents are located in a high shaking hazard area. As such, exposed within the high shaking hazard area are 31,696 people, 5,693 residential buildings (worth \$740.3 million), 956 nonresidential buildings (worth \$226.0 million), and 24 critical facilities (worth \$3.1 million). 5.5 miles of highways and 5 bridges are located in this hazard area.

Flood

Exposed within the SFHA are an estimated 17 people.

Hazardous Materials Event

75 percent of the city's population resides within the 1-mile buffer of the transportation corridors and therefore is at risk to a hazardous materials transportation event. This includes 25,867 people, 4,444 residential buildings (worth \$585.4 million), 866 nonresidential buildings (worth \$191.5 million), and 18 critical facilities (worth \$3.0 million). These figures are for the entirety of the transportation corridors and, therefore, overstate the exposure since a single HAZMAT event at a given point along these corridors is unlikely to affect all of the area within the 1-mile buffer.

There are no hazards associated with fixed HAZMAT sites within the city.

Tsunami

Using the New Tsunami Inundation Map data, 6 people, 6 nonresidential buildings (worth 9.9 million), 0 critical facilities, and 0 critical infrastructure elements are located in this hazard area.

Wildland Fire

Using the California FRAP model, there are no very high wildland fire areas within the city. Less than 1 percent of the city's population resides in a high wildland fire area while approximately 91 percent of the population is located in a moderate wildland fire area. Within the area of moderate wildland fire exposure area are 30,899 people, 5,659 residential buildings (worth \$729.3 million), 930 nonresidential buildings (worth \$225.8 million), and 24 critical facilities (worth \$3.1 million). This hazard area also includes 5.1 miles of highway and 3 bridges.

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Table S-6
City of Seaside Legal and Regulatory Resources Available for Hazard Mitigation

Regulatory Tool	Name	Effect on Hazard Mitigation
Plans	Hazard Mitigation Plan	Presently covered under countywide multi-jurisdictional hazard mitigation plan. This plan is currently being updated and is anticipated to be completed and re-adopted in late 2014.
	General Plan	
	Floodplain Management Plan	
	Open Space Management Plan	
	Stormwater Management Plan	
	Coastal Management Plan	
	Emergency Operations Plan	Includes continuity of operations and disaster recovery elements.
	Evacuation Plan	
	Capital Improvements Plan	
	Economic Development Plan	
Programs	Floodplain Ordinance	
	Subdivision Ordinance	
	Site Plan Review Requirements	
	Programs	
Policies (Municipal Code)	Building Code	
	Fire Prevention Code	

Table S-7
City of Seaside Administrative and Technical Resources for
Hazard Mitigation

Staff/Personnel Resources	Department/Division Position
Planner(s) or engineer(s) with knowledge of land development and land management practices	RSM
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Public Works
Planner(s) or engineer(s) with an understanding of manmade or natural hazards	RSM
Building inspector	RSM
Emergency manager	Fire
Floodplain manager	RSM/Public Works
Resource development staff or grant writers	Multiple City Departments
Public information officer(s)	City Clerk
Personnel skilled in GIS and/or HAZUS-MH	Public Works
Maintenance programs to reduce risk	Public Works
Warning systems/services	Fire/Police
Mutual Aid Agreements	Fire/Police/Public Works

Table S-8
City of Seaside Financial Resources for Hazard Mitigation

Financial Resources	Effect on Hazard Mitigation
General funds	Available when funding allows.
Capital improvements project funding	Available when funding allows.
Water/sewer fees	Funds can only be used for protection of direct impact to utilities.
Authority to levy taxes for specific purposes	
Incur debt through general obligation bonds	
Incur debt through special tax and revenue bonds	
Incur debt through private activity bonds	
FEMA HMGP and PDM grants	HMGP grant funding is available to local communities after a Presidentially-declared disaster. It can be used to fund both pre- and post-disaster mitigation plans and projects. PDM funding is available on an annual basis. This grant can only be used to fund pre-disaster mitigation plans and projects only.
Community Development Block Grants (CDBG)	The Community Development Block Grant (CDBG) program is a flexible program that provides communities with resources to address a wide range of unique community development needs.
United States Fire Administration (USFA) Grants	The purpose of these grants is to assist state, regional, national, or local organizations to address fire prevention and safety. The primary goal is to reach high-risk target groups including children, seniors, and firefighters.

Table S-9
City of Seaside Education and Outreach Resources for Hazard Mitigation

Education and Outreach Resources	Effect on Hazard Mitigation
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	Includes Community Emergency Response Volunteers (CERV) of the Monterey Peninsula
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Includes public education and outreach, open houses, City website, smoke alarm installation, etc.
Natural disaster or safety related school programs	Includes "Get Ready Bay Area 5th Grade Program"
<i>StormReady</i> certification	In the process of obtaining certification.
Public-private partnership initiatives addressing disaster-related issues	Regional EOC with Marina and CSUMB

Problem Statements are statements of particular interest with regard to primary hazards of concern, geographic areas of concern, or vulnerable community assets. These statements were primarily derived from local community site visits and discussion with local staff and officials from each community during Individual Jurisdiction Meetings, in combination with a review of the Safety Elements of local General Plans and GIS analysis using best available data in support of updates to the vulnerability analysis for each jurisdiction. They were developed to assist in the identification and analysis of potential hazard mitigation actions for the City of Seaside.

- A critical flooding concern for the city exists in areas along Roberts Lake and Grande Lake, particularly during heavy rains during winter storms combined with high tides.
- City Hall is considered vulnerable to flooding due to its low-lying location and proximity to Grande Lake. The last major event in 1995 caused two-feet of flooding and damages to Police Station (co-located with City Hall) and the parking area, including patrol cars. The site is also deemed susceptible to liquefaction during a major earthquake event.
- The City continues to coordinate on potential alternative solutions to problems caused by **the 90" outfall in Sand City, which continues to get plugged by shifting sands, preventing drainage of stormwater runoff from Seaside (and Sand City).**
- The City is concerned with the long-term effects of sea level rise, particularly in terms of **exacerbating the effects of saltwater intrusion already being seen in Seaside's aquifer to the north.**
- Ingress/egress to the city is limited to only several main transportation corridors (Highway 1 and Route 68) which creates evacuation concerns for the city in response to a major hazard event.

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Table S-10
City of Seaside Mitigation Action Plan Matrix

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
1.01	Ensure that current emergency services are adequate to protect public health and safety.	High	All				Deleted	Staffing levels and services are ongoing.
1.02	Secure and maintain lifelines and access for medical assistance and transport of materials and fuel	High	Police, Fire, Public Works				Deleted	Action item conducted in the Emergency Operations Plan.
1.03	Ensure the safety of the elderly, disabled and other special populations in an emergency, including the provision of transportation of those who do not have it.	High	Public Safety personnel, Recreation and Community Activities, in cooperation with the American Red Cross				Deleted	Action item conducted in the Emergency Operations Plan.
1.04	Provide sandbags and plastic sheeting to residents in anticipation of rainstorms, and deliver these materials to disabled and elderly residents on request.	High	Public Works	General Fund	Continuous	Limit potential damage to residential and commercial structures due to flooding	Partially Completed / In Progress	Fire Department fulfills request for this item on an annual as needed basis.
1.05	Utilize the Emergency Broadcast System on radio and television to notify the public of hazards that threaten the City.	Moderate	Police, Fire, City Manager				Deleted	Action item conducted in the Emergency Operations Plan.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
1.06	Start a program so that people in need of ongoing medical care are registered with the Fire Department. This registration will ensure that CERT teams can search these people out in the event of an emergency.	Moderate	Fire	General Fund	Continuous	Better information during dispatch eliminating duplication of efforts	Deferred	CERT team will coordinate this item.
1.07	Assure that evacuation is safe and efficient.	Moderate	Public Safety personnel	General Fund	Continuous	Benefit of saving lives while maintaining order	Completed	Action item conducted in the Emergency Operations Plan. Evacuation Plan has been developed.
1.08	Assure that shelters have adequate capacity.	Moderate	Public Safety personnel, in cooperation with the American Red Cross	General Fund	Continuous	Working closely with Red Cross, City employees trained to aid in shelter set up	Completed / To Be Continued	City has identified shelters. Red Cross to handle updates on capacity needs.
1.09	Assure that the City is prepared to shelter populations that the Red Cross will not (for example, those who are sick).	Moderate	Recreation and Community Development, Police, Fire	General Fund	Continuous	By cross training City employees, efforts very cost effective	Completed	Oldemeyer Center is first designated shelter supplies have been purchased through the City.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
1.10	Consider fire safety, evacuation, and emergency vehicle access when reviewing proposals to add secondary units or additional residential units in areas exposed to high fire threat.	Moderate	Planning, Building	General Fund	Continuous	Prevention of conflagration and loss of life	Completed / To Be Continued	All to be considered through planning.
1.11	Set up a list of doctors who will help out in the event of an emergency.	Moderate	Fire				Deleted	Action item conducted in the Emergency Operations Plan
1.12	Ensure the safety of pets in an emergency.	Low	Police	General Fund	Continuous	Ensures proper evacuation of residents by not leaving pets behind.	Completed / To Be Continued	Request SPCA for assistance.
2.01	Maintain the Seaside Local Hazard Mitigation Plan (LHMP) and update it on a regular basis. This is to be accomplished by: making the LHMP a part of the City's General Plan; conducting quarterly meetings of the LHMP Working Group; reviewing the plan 2 years after final approval and conducting a major update of the plan within 4 years of approval.	High		General Fund	1-2 years	General Plan update approved at 12/17/2015 City Council Meeting	Completed / To Be Continued	In Progress with County Plan.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.01	Identify hazards and assess risk for the City through the development and maintenance of the City of Seaside LHMP.	High	All	Grant Funded Plan/Maintenance General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.
3.02	Determine increased risk from specific hazards due to location and other factors. Specific hazards addressed are earthquake, tsunami, wildfire and flood. This will be accomplished through development and maintenance of the LHMP.	High	All	General Fund and Grant	1-4 years	Mitigate potential hazards prior to event.	Partially Completed / In Progress	In Progress with County Plan.
3.03	Develop and implement a hazard mitigation strategy based on the risk and vulnerability assessment through the development and maintenance of the City of Seaside LHMP.	High	All	General Fund and Grant	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.
3.04	Ascertain historical incidence and frequency of occurrence of hazards through the development and maintenance of the City of Seaside LHMP.	High	All	General Fund and Grant	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.05	Enhance the City's capability to conduct hazard risk assessments through the development and maintenance of the City of Seaside LHMP, and by review of the plan in 2 years and major update of the plan in 4 years.	High	All	General Fund and Grant	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.
3.06	Enhance the City's capability to track mitigation activities throughout the City by developing a matrix containing each mitigation goal, purpose and actions, relevant hazards, along with project status, funding, and responsible City department. This matrix is to be reviewed 2 years after completion of the LHMP and updated within 4 years.	High	All	General Fund and Grant	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.
3.07	Maximize the use of available hazard mitigation grant programs to protect the City's most vulnerable populations and structures.	High	Finance	General Fund and Grant	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.08	Pursue available grant opportunities to obtain funding for mitigation activities.	High	Finance	Grant Writer-General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Progress with County Plan.
3.09	Continue to actively implement existing State law that requires the City to maintain lists of addresses of unreinforced masonry buildings and inform property owners that they own this type of hazardous structure.	High	Building	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Compliance
3.10	Ensure that all new construction is completed using the latest earthquake-resistant design techniques that will limit damage caused by earthquakes.	High	Building	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	In Compliance
3.11	Identify mitigation measures for areas that flood annually.	High	Public Works	General Fund	1-4 years	Mitigate potential hazards prior to event.	Completed / To Be Continued	Replacement of storm outflow systems. Routine cleaning prior and post-storm events.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.12	Ensure that all new construction within the 100-yard flood zone is completed using design techniques that will limit damage caused by floods, using the latest edition of the California Building Code.	High	Building	General Fund	Continuous	Prevent residential, commercial and infrastructure damage due to flooding	Ongoing / Continuous	City strategic planning and improvements.
3.13	Continue to repair and make structural improvements to storm drains, pipelines, and channels to enable them to perform their design capacity in handling water flows.	High	Public Works	General Fund	Continuous	Prevent residential, commercial and infrastructure damage due to flooding	Ongoing / Continuous	City strategic planning and improvements.
3.14	Continue maintenance efforts to keep storm drains and channels free of obstructions to allow for the free flow of water.	High	Public Works	General Fund	Continuous	Prevent residential, commercial and infrastructure damage due to flooding	Ongoing / Continuous	City strategic planning and improvements.
3.15	Ensure that new development pays its fair share of improvements to the storm drainage system necessary to accommodate increased flows from the development.	High	Planning, Public Works, Building	General Fund	Continuous	Prevent residential, commercial and infrastructure damage due to flooding	Ongoing / Continuous	City strategic planning and improvements.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.16	Ensure that new developments are designed to reduce or eliminate flood damage by requiring lots and rights-of-way are laid out for the provision of approved sewer and drainage facilities, providing on-site detention facilities whenever practical.	High	Planning, Building	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.
3.17	Encourage home owners in flood-prone areas to participate in home elevation programs.	High	Building	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	Public education and outreach efforts.
3.18	Identify areas susceptible to tsunami.	High	Public Works	General Fund	Complete	Mitigate potential hazards prior to event.	Completed	Tsunami and Storm Ready compliance.
3.19	Identify mitigation measures for tsunami.	All	General Fund	Complete	Mitigate potential hazards prior to event.	Completed	County and Local Response plan developed.	
3.20	Identify areas susceptible to wildfire.	High	Public Works, Fire	General Fund	Complete	Mitigate potential hazards prior to event.	Completed	Local and Mutual Aid Response Plan

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.21	Identify mitigation measures for wildfire.	High	All	General Fund	Complete	Mitigate potential hazards prior to event.	Completed	Local and Mutual Aid Response Plan
3.22	Ensure that all new construction in areas susceptible to fires is completed using fire resistant design techniques that will limit damage caused by wildfires. For example, require Class A roofing materials for all homes in areas susceptible to fires.	High	Fire, Building	General Fund	Continuous	Mitigate potential hazards prior to event.	Completed / To Be Continued	City strategic planning and improvements.
3.23	Develop a coordinated approach between fire jurisdictions and water supply agencies to identify needed improvements to the water distribution system, initially focusing on areas of highest wildfire hazard. Ensure a reliable source of water for fire suppression (meeting acceptable standards for minimum volume and duration of flow) for existing and new development.	High	Fire, Public Works	General Fund and Grant	Continuous	Water availability crucial to successful outcome	Formed Fire Floe Task Force with Cal Am Water and other stakeholders	City strategic planning and improvements.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.24	Develop a defensible space vegetation program that includes the clearing of thinning of non-flammable vegetation or all non-native species within 30 feet of access and evacuation roads and routes to critical facilities.	High	Fire, Public Works	General Fund	1-4 years	Mitigate potential hazards prior to event.	Completed / To Be Continued	City strategic planning and improvements.
3.25	Require that development in high fire hazard areas provide adequate access roads (with width and vertical clearance that meet minimum standards of the Fire Code), onsite fire protection system, evacuation signage, and firebreaks.	High	Building Planning, Fire	General Fund	1-4 years	Mitigate potential hazards prior to event.	Completed / To Be Continued	City strategic planning and improvements.
3.26	Maintain fire roads and/or public right-of-way roads and keep them passable at all times so that access to developed and open space areas is assured.	High	Fire, Public Works)	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.27	Adopt a City ordinance that requires the following measures to reduce fire ignitions due to earthquakes: bracing of gas-fired appliances and equipment; flexible couplings on gas appliances and equipment; and the bolting of homes to their foundations and strengthening of cripple walls.	High	Building	General Fund	1-4 years	Mitigate potential hazards prior to event.	In progress	
3.28	Build and maintain geographic information system and data to improve permitting and building construction.	Moderate	Public Works, Building	General Fund	1-2 years	Improve efficiency	Ongoing / Continuous	City updating GIS system
3.29	Maintain geographic information system and data to accurately reflect existing utilities and critical facilities.	Moderate	Public Works	General Fund	1-2 years	Improve efficiency	Completed / To Be Continued	City maintains GIS system. PG&E First Responder Portal access.
3.30	Investigate HAZUS to estimate earthquake, tsunami, flood and wildfire damage in the City of Seaside.	Moderate	Finance, Public Works	General Fund	1-2 years		In progress	

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.31	Explore training opportunities for City personnel in the use of the HAZUS program. Provide this training for key City employees and obtain assistance in date entry for the HAZUS program.	Moderate	Finance, Public Works	General Fund	1-2 years	A more efficient estimation of losses	Ongoing / Continuous	
3.32	Improve the utilization of existing information in the forecasting of natural hazard events. The City will continue to use NOAA information and to coordinate with Monterey County, along with other available data.	Moderate	Public Works	General Fund	Continuous	Remain informed prior to event	Completed / To Be Continued	Collaboration with County resources through Emergency Planning efforts.
3.33	Provide assistance to homeowners whose homes were damaged by hazards so that their homes are rebuilt as soon as possible following a disaster. For example, allow a streamlined permitting process for the rebuilding of businesses after a disaster.	Moderate	Building, City Manager	General Fund and Grants	As Needed	Improved Community Resilience	Ongoing / Continuous	Coordinated through Emergency Planning and EOC training.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.34	Encourage the retrofitting of unreinforced masonry structures that have not been retrofitted.	Moderate	Building	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing	
3.35	Update Geographical Information System (GIS) database to integrate hazard risk areas with existing data. Continue to coordinate with the County to integrate their database.	Low	Public Works	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	Collaboration with County resources through Emergency Planning efforts.
3.36	Review census data to locate vulnerable populations.	Low	Finance, Public Works	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	
3.37	Pass a City ordinance that will limit building in high-risk areas.	Low	Building	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	
3.38	Work with critical health care facilities (long-term care, primary care, or specialty clinics such as home health agencies, or group homes) to ensure that critical facilities are structurally sound and have nonstructural system designed to remain functional following disasters.	Low	Public Works, Building	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
3.39	Research funding options for the retrofit of seismically-deficient City-owned bridges and road structures.	Low	Public Works	General Fund and Grants	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	
3.40	Identify buildings at risk from 100-and 500-year floods.	Low	Public Works	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	
3.41	Explore programs that provide low-interest loans for residents and businesses to retrofit with fire resistant materials.	Low	Redevelopment Agency	General Fund and Grants	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	
4.01	Provide public information on locations for obtaining sandbags and/or deliver these sandbags to those locations throughout the City prior to and/or during the rainy season.	High	Public Works	General Fund	Completed	Prevent damage to commercial and residential structures due to flooding.	Completed / To Be Continued	Fire Department fulfills request for this item on an annual as needed basis.
4.02	Increase the level of knowledge and awareness for Seaside City residents on the hazards that routinely threaten the area through appropriate City public education outlets.	Moderate	All	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	Annual Open House, Community Preparedness Meetings and Public Education efforts.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
4.03	Disseminate information on what to do during and after a hazard event through appropriate City public education outlets, in cooperation with the County and State Offices of Emergency Services and the American Red Cross.	Moderate	All	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	Public education and outreach efforts.
4.04	Work with local schools (Monterey Peninsula Unified School District and private schools) on disaster preparedness for school children.	Moderate	All	General Fund	Continuous	Improved Community Resilience	Completed / To Be Continued	Fire Department public education efforts. 5th grader emergency preparedness classes.
4.05	Encourage citizens to participate in the Community Emergency Response Team (CERT) program through appropriate City public education outlets.	Moderate	Fire	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	Regional collaboration with existing CERT teams, Monterey CERT, CERV and Central Coast CERT.
4.06	Initiate a program in local high schools to train students and teachers in Community Emergency Response Team (CERT) program classes.	Moderate	Fire	General Fund	Continuous	Improved Community Resilience	Deferred	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
4.07	Explore the feasibility of using "Reverse 911" technology to notify the public about impending disasters, Amber Alerts, etc.	Moderate	Police, Fire	General fund through County Communications Billing	Completed	Improved Community Resilience	Completed	Currently using the Everbridge system and Alert Monterey County public outreach efforts.
4.08	Develop materials related to disaster mitigation and preparedness in other languages (such as Spanish).	Moderate	All	General Fund	Continuous	Improved Community Resilience	Partially Completed / In Progress	Available through internet
4.09	Use disaster anniversaries, such as October (Loma Prieta earthquake), to remind the public of safety and security mitigation activities.	Moderate	All	General Fund	Continuous	Improved Community Resilience	Completed / To Be Continued	Annual Open House and Public Education efforts.
4.10	Provide information to residents on earthquake mitigation measures they can take.	Moderate	Fire, Public Works				Deleted	Annual Open House and Public Education efforts.
4.11	Alert homeowners who live in areas which could be affected by wildfires about mitigation measures they can take. Tie public education on defensible space and comprehensive defensible space ordinance to field program of enforcement.	Moderate	Fire, Building				Deleted	Annual Open House and Public Education efforts.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
4.12	Continue the "Flows to Bay" campaign, which encourages business owners and residents to keep storm drains in their neighborhoods free of debris.	Moderate	Public Works				Deleted	
4.13	Educate the public on what to do in the event of a tsunami.	Moderate	Fire				Deleted	Annual Open House and Public Education efforts.
4.14	Obtain adequate funding for public outreach programs.	Moderate	Finance	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	
4.15	Educate property owners on the affordable, individual mitigation and preparedness measures that can be taken before the next hazard event through appropriate City public education outlets.	Low	All City departments and divisions, in cooperation with State and County Offices of Emergency Services and the Red Cross				Deleted	Annual Open House and Public Education efforts.
4.16	Provide information to the public related to planning for power outages.	Low	Public Works				Deleted	PG&E notification.
4.17	Provide information to the public related to family and personal planning for delays due to traffic or road closures.	Low	Public Works	General Fund	Continuous	Improved Community Resilience	Completed / To Be Continued	County notification along with CalTrans and local signs of closures.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
4.18	Provide information to the public related to coping with reductions in water supply or contamination of that supply.	Low	Public Works				Deleted	County notification and Cal Am, Marina Water or local notification.
4.19	Provide information to the public related to coping with disrupted storm drains, sewage lines and wastewater treatment.	Low	Public Works				Deleted	County and local notification.
4.20	Provide information to residents on the availability of hazard maps on the City's website.	Low	Public Works	General Fund	Continuous	Improved Community Resilience	Completed / To Be Continued	City web page, EOC and Recovers web information to provide all notifications.
4.21	Explore the possibility of developing a public education campaign on the cost, risk and benefits of earthquake, flood, fire and other hazard insurance.	Low	Finance				Deferred	
4.22	Inform residents living in the floodplain of flood proofing alternatives for their homes.	Low	Building				Deleted	Public education and outreach efforts.
4.23	Inform owners of businesses located in the floodplain of flood proofing alternatives for their businesses.	Low	Building				Deleted	Public education and outreach efforts.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
5.01	Continue to identify Seaside's most vulnerable critical facilities and evaluate the potential mitigation techniques for protecting each facility to the maximum extent possible.	High	All	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.
5.02	Conduct comprehensive programs to identify and mitigate problems with facility contents, architectural components, and equipment that will prevent critical building from being functional after major natural disasters.	High	Public Works	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.
5.03	Ensure that all vital / critical facilities are seismically upgraded to the greatest extent possible, in accordance with the most recent building codes.	High	Building	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
5.04	Ensure that all vital / critical facilities located in the floodplain are adequately protected from flooding to the greatest extent possible, in accordance with the most recent building codes.	High	Building	General Fund	1-4 years	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.
5.05	Ensure that all vital / critical facilities are built with fire-resistant materials to the greatest extent possible, in accordance with the most recent building codes.	High	Building	General Fund	Continuous	Mitigate potential hazards prior to event.	Ongoing / Continuous	City strategic planning and improvements.
5.06	Provide necessary repairs to maintain critical facilities in top physical condition.	High	Public Works	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	City strategic planning and improvements.
6.01	Develop a "Continuity of Government Plan" following FEMA guidelines.	High	Fire	General Fund	1 year	Improved Community Resilience	Partially Completed / In Progress	Outlined in our EOP with comprehensive updates required.
6.02	Assure that the Emergency Operations Center is adequately equipped to handle a disaster.	High	Fire, Police	General Fund	Completed	Improved Community Resilience	Completed	Regional EOC and collaboration with CSUMB and the City of Marina.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
6.03	Maintain the Emergency Operations Center in fully functional state of readiness.	High	Fire, Police, All Departments	General Fund	Continuous	Improved Community Resilience	Completed	Regional EOC and collaboration with CSUMB and the City of Marina.
6.04	Conduct an Emergency Operations Center full activation exercise at least annually.	High	Fire, Police	General Fund	Annually	Improved Community Resilience	Completed / To Be Continued	Regional EOC and collaboration with CSUMB and the City of Marina. Annual training conducted.
6.05	Ensure the protection of communications.	High	Fire, Police	General Fund	Continuous	Improved Community Resilience	Completed / To Be Continued	
6.06	Upgrade the City's communications plan.	High	Fire, Police	General Fund	1-4 years	Improved Community Resilience	Partially Completed / In Progress	
6.07	Improve communications among all City departments.	High	All	General Fund	February 2016	Safety	Partially Completed / In Progress	Addressed in City Wide Employee Survey
6.08	Ensure that Fire and Police personnel have adequate radios, breathing apparatus, protective gear, and other equipment needed to respond to a major disaster.	High	Fire, Police	General Fund and Grants	Completed	Safety	Completed	Equipment purchased

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
6.09	Improve emergency response communications, including for example, building redundant capacity into public safety alerting and/or answering points, replacing or hardening microwave and simulcast systems, adding digital encryption for programmable radios, and ensuring a plug-and-play capability for amateur radio.	High	Police, Fire	General Fund and Grants	1-4 years	Public Safety	Partially Completed / In Progress	Concurrent with CAD replacement
6.10	Participate in the Office of Emergency Services Safety Assessment Program (SA) which formalizes arrangements with engineers, building officials and other qualified people to report to the City, assess damage, and determine if buildings can be reoccupied after a disaster.	High	Building, Public Works	General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
6.11	Prepare a basic recovery plan that outlines the major issues and tasks that are likely to be the key elements of community recovery, as well as integrate this planning into response planning.	High	All	General Fund	1 year	Participation in Community Resiliency Workshops	Partially Completed / In Progress Currently working on City COOP	Outlined in our EOP with comprehensive updates required. Recovers program for community recovery efforts.
6.12	Ensure that emergency services include more than the coordination of Police and Fire responses, but also planning activities with providers of water, food, energy, transportation, financial, information, and public health services.	High	All	General Fund	1 year	Addressed in both the EOP and COOP	Partially Completed / In Progress	Outlined in our EOP for Operations, Planning and Logistics.
6.13	Assure that temporary office space on high ground and mobile office space are available for the Police Department to use in the event of a flood or tsunami.	High	Police, Public Works	General Fund through CalJPIA premiums	Complete	Part of COOP Plan	Complete	Provided through Agility Recovery
6.14	Explore options for permanently moving the Police Department to higher ground.	High	Police, Public Works				Delete	Not an option due to lack of funding.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
6.15	Develop procedures for the emergency evacuation of areas identified on tsunami evacuation maps.	High	Police, Fire	General Fund	Complete	Part of Tsunami Ready Designation	Complete	Outlined in County Tsunami response plan.
6.16	Explore the feasibility of placing remote sensors in strategic locations for early warning of hazardous materials releases or use of weapons of mass destruction.	High	Police, Fire, Public Works				Deleted	Not an option due to lack of funding.
6.17	Provide a new, expanded Public Works Corporation Yard on City-owned former Fort Ord lands.	High	Public Works	General Fund or Measure	Based on development of Former Fort Ord land	Mitigate potential hazards prior to event.	Ongoing / Continuous	Project on hold due to lack of funding.
6.18	Ensure the safety of data by adequately backing up the storing essential records and financial information.	Moderate	City Manager	General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	Will be addressed in COOP
6.19	Develop and maintain a system of interoperable communications for first responders from cities, the county, the state and federal agencies.	Moderate	Fire, Police	Grant	1-2 years	Currently applying for AFG Regional Grant for replacement radios	Partially Completed / In Progress	Upgrades to radios have addressed interoperable capabilities.
6.20	Promote information sharing among neighboring cities, the county, the state and federal agencies.	Moderate	Police, Fire	General Fund	Complete	Ongoing	Completed / To Be Continued	Collaboration and regionalizing with neighboring agencies is in effect.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
6.21	Explore the feasibility of creating and maintaining an automated system of rain and flood gauges that is web enabled and publicly accessible.	Low	Fire, Police				Delete	Use of NOAA and County resources to advise on flood gauges.
7.01	Assure that backup systems exist for critical utilities to the greatest extent possible.	High	Public Works, Fire, Police	Seaside Sanitation District and Seaside Water District Funds	1-4 years	Improved Community Resilience	Completed / To Be Continued	
7.02	Talk with local utility companies about their hazard mitigation plans.	High	All	General Fund	Complete	Improved Community Resilience	Completed / To Be Continued	Collaboration with PG&E, Cal Am and Marina Water.
7.03	Incorporate appropriate portions of hazard mitigation plans from local utility companies into the Seaside LHMP.	High	All				Delete	Collaboration with PG&E, Cal Am and Marina Water.
7.04	Encourage the cooperation of utility system providers and cities, counties and other special districts to develop strong and effective mitigation strategies for infrastructure systems and facilities.	High	Public Works, Fire, Police)				Delete	Collaboration with PG&E, Cal Am and Marina Water.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
7.05	Retrofit or replace critical lifeline facilities and/or their backup facilities that are shown to be vulnerable to damage in natural disasters.	High	Public Works	Seaside Sanitation District and Seaside Water District Funds	1-4 years	Improved Community Resilience	Completed / To Be Continued	Water and wastewater facilities are upgraded by inclusion in city's CIP.
7.06	Plan for speeding the repair and functional restoration of lifeline systems through stockpiling of shoring materials, temporary pumps, surface pipelines, portable hydrants and other supplies.	High	Public Works, Fire, Police	Seaside Sanitation District and Seaside Water District Funds	1-4 years	Improved Community Resilience	Ongoing / Continuous	
7.07	Pre-position emergency power generation capacity (or have rental/lease agreements for these generators) in critical buildings to maintain continuity of government and services.	High	Public Works, Fire, Police	General Fund	Completed	Contract signed with Conte Generator Service	Ongoing / Continuous	City has emergency generators for water and wastewater facilities, Fire Department and City Hall.
7.08	Have back-up emergency power available for critical intersection traffic signals.	High	Public Works, Fire, Police)	General Fund	1-4 years	Improved Community Resilience	In planning phase	Critical signals have battery backup.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
7.09	Coordinate with PG&E and others to investigate ways of minimizing the likelihood that power interruptions will adversely impact vulnerable populations, such as the elderly and disabled.	High	Public Works, Fire, Police	General Fund	Completed	Improved Community Resilience	Completed	Purchase cache of portable generators to distribute to residents
7.10	Encourage replacing aboveground utility lines with underground facilities.	High	Public Works, Building				Delete	Not an option currently due to lack of funding.
7.11	Assure that utility lines are installed underground for new development.	High	Building Planning, Public Works	General Fund	Completed	Improved Community Resilience	Completed	Conducted in Seaside Highlands and all future developments.

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Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
7.12	Work in cooperation with the Monterey County Office of Emergency Services to explore making agreements with transit operators, taxi companies, school districts, private ambulance companies and others so that mechanisms are in place for medical transport and transport for vulnerable populations who do not have access to private transportation during and after disasters. Take into consideration the potential for reduced capabilities of roads following these same disasters.	High	Police, Fire				Deleted	Will be coordinated through EOC activities.
7.13	Identify critical areas that would need portable facilities (such as hoses, pumps, emergency generators, or other equipment) to allow pipelines to bypass failure zones such as fault rupture areas, areas of liquefactions, and other ground failure areas.	High	Public Works	Seaside Sanitation District General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
7.14	As funding becomes available, install portable facilities to allow pipelines to bypass failure zones such as fault rupture areas, areas of liquefaction, and other ground failure areas at critical areas.	High	Public Works	Seaside Sanitation District General Fund	1-10 years	Improved Community Resilience	Identified in the CIP	Not an option currently due to lack of funding.
7.15	Replace or retrofit water-retention structures that are determined to be structurally deficient.	High	Public Works	Seaside Water District	1-4 years	Improved Community Resilience	Identified in the CIP	
7.16	Repair 90" Storm Drain Outlet.	High	Public Works	Seaside Sanitation District General Fund	1-2 years	Improved Community Resilience	Identified in the CIP	Funding limitations, make repairs impractical.
7.17	Survey Seaside County Sanitation District facilities by remote TV.	High	Public Works	Seaside Sanitation District General Fund	1-4 years	Ongoing / Continuous	Ongoing / Continuous	Work budgeted to begin in FY14/15.
7.18	Provide new emergency generator set for Seaside City Hall.	High	Public Works	General Fund	1-4 years	Identified in the COOP	Identified in the CIP	Funding limitations, currently using portable generator.
7.19	Replace mainline sanitary sewer lines.	High	Public Works	Seaside Sanitation District General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	Work to be performed in accordance with SCSD master plan.
7.20	Rehabilitate Sanitation District pump stations as needed.	High	Public Works	Seaside Sanitation District General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	Design underway.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
7.21	Encourage owners of critical buildings owned or leased by special districts of private utility companies to participate in a program similar to San Francisco's Building Occupancy Resumption Program (BORP). This program permits owners of buildings to hire qualified structural engineers (California licensed structural engineers with relevant experience) to create facility-specific post-disaster inspection plans and allows these engineers to become automatically deputized as City inspectors for these buildings in the event of a disaster. This program allows rapid reoccupancy of the building.	Moderate	Public Works, Building	General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
7.22	Ensure that utility systems in new development are constructed in ways that reduce or eliminate flood damage.	Moderate	Building, Public Works	General Fund	Continuous	Improved Community Resilience	Ongoing / Continuous	Require adherence to post construction standards and low impact development standards to infiltrate stormwater whenever possible.
7.23	Update Sewer System Master Plan.	Moderate	Public Works	Seaside Sanitation District General Fund	1-4 years	Improved Community Resilience	Completed	
7.24	Establish underground utility district for Highland Avenue.	Moderate	Public Works	General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
8.01	Encourage business owners to participate in a program similar to San Francisco's Building Occupancy Resumption Program (BORP). This program permits owners of buildings to hire qualified structural engineers (California licensed structure engineers) to become automatically deputized as City inspectors for these buildings in the event of a disaster. This program allows rapid reoccupancy of the building.	High	Building, Public Works	General Fund	1-4 years	Improved Community Resilience	Ongoing / Continuous	
8.02	Provide assistance to businesses damaged by hazards so that they are back in operation as soon as possible following a disaster. For example, allow a streamlined permitting process for the building of businesses after a disaster.	High	Building, City Manager				Deleted	EOC to assist with Recovery efforts.

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
8.03	Work with the local Seaside-Sand City Chamber of Commerce to assure that businesses damaged by hazards are operating again as soon as possible after a disaster.	High	City Manager				Deleted	EOC to assist with Recovery efforts.
8.04	Assist businesses in obtaining grant funding following a disaster.	High	Finance	General Fund	As Appropriate	Improved Community Resilience	Ongoing / Continuous	EOC to assist with Recovery efforts.
9.01	Continue to repair and make structural improvements to storm drains, pipelines, and channels to enable them to perform their design capacity in handling water flows.	High	Public Works	General Fund	1-4 years	Improved Community Resilience	New	
9.02	Identify areas susceptible to tsunami.	Moderate	Fire, Public Works	General Fund	Completed	Improved Community Resilience	New	
9.03	Continue to identify Seaside's most vulnerable critical facilities and evaluate the potential mitigation techniques for protecting each facility to the maximum extent possible.	High	All	General Fund	1 year	Improved Business Continuity	New	
9.05	Upgrade the City's communications plan.	High	Fire, Police	General Fund			New	

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City Of Seaside

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Cost	Status	Narrative Update/Explanation
9.06	Provide new emergency generator set for Seaside City Hall and Fire station.	High	Fire, Public Works	General Fund	1-2 years	Included in CIP	New	New
9.07	Rehabilitate Sanitation District pump stations as needed. Replace mainline sanitary sewer lines.	High	Public Works	Seaside Sanitation District General Fund	1-4 years	Improved Community Resilience	New	New

Appendix T
City of Soledad

Table T-1
City of Soledad Estimated Population and Building Inventory

Population	Residential Buildings		Nonresidential Buildings	
2000 Census Population Count*	Total Building Count	Total Value of Buildings **- (x\$1000)	Total Building Count	Total Value of Buildings (x\$1000)
11,534	2,374	261,370	884	175,245

Source: Monterey County (residential and nonresidential buildings) and U.S. Census 2000 population data.

* Population count using census blocks within the city limits.

** Tax Assessor records.

*** Tax Assessor records.

Table T-2
City of Soledad Critical Facilities and Infrastructure

Category	Facility	Address	Estimated Insured Structural Value (x\$1000)
Government	City Hall	248 Main St.	6,659
Emergency Response	Police Department	236 Main St.	1,652
	Fire Department	525 Monterey St.	64
Lifeline Utilities	Wastewater Treatment Plant	Located from aerial photography (end of Morisolli Rd.)	78,588
	Well #9	End of Los Coches Dr.	1,000
	Well #7	1100 Monterey St.	1,500
	Well #11	58 San Vicente Rd.	800
	Well #10	433 Ortiz St.	800
	Well #6	725 North St.	950
	La Cuesta Booster Station	921 Vida St.	2,500
	Section 16 Water Storage Tank	End of Orchard Ln.	1,500
	Prison Wastewater Plant	End of Gloria Rd.	500
Care	Eden Valley Care Center	612 Main St.	802
	Mission Center Health Care	2524 H. De La Rosa Sr. St.	1,600
	Mee Memorial Clinic	359 Gabilan Dr.	1,600
	Soledad Dialysis Center	901 Los Coaches Dr.	1,600
	Soledad Medical Clinic	600 Main St.	1,600
	Clinica de Salud	799 Front St.	1,600

Table T-2
City of Soledad Critical Facilities and Infrastructure

Category	Facility	Address	Estimated Insured Structural Value (x\$1000)
Educational	San Vicente Elementary School	1300 Metz Rd.	590
	Gabilan Elementary School	330 North Walker Dr.	590
	Rose Ferrero Elementary School	400 Entrada Dr.	590
	Main Street Middle School	441 Main St.	590
	Soledad High School	425 Galiban Dr.	590
	Chalone Alternative/Pinnacles Continuation High School	690 Main St.	590
	Frank Ledesma Elementary School	973 Vista de Soledad	590
	Jack Franscioni Elementary School	779 Orchard Ln.	590
	Liberty Christian School	274 Kidder St.	132

Source: FEMA HAZUS-MH (estimated values) and Monterey County data

Appendix T
City of Soledad

Table T-3
City of Soledad Potential Hazard Vulnerability Analysis – Population and Buildings

Hazard Type	Methodology	Population		SoVI		Buildings	
		Number	Score	Number	Value (\$)¹	Number	Value (\$)¹
Agricultural Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal Erosion	100-year erosion zone	N/A	N/A	N/A	N/A	N/A	N/A
Dam Failure	Inundation area	3,333	N/A	612	115,066	30	48,445
	Extreme	0	N/A	0	0	0	0
Earthquake	High	0	N/A	0	0	0	0
	Moderate	11,534	N/A	2,156	381,858	40	52,206
Flood	100-year flood zone	29	N/A	7	1,376	0	0
	1-mile buffer transport corridor	10,499	0.58	1,896	190,619	645	155,010
Hazardous Materials Event	1-mile buffer fixed site	N/A	N/A	N/A	N/A	N/A	N/A
	High	N/A	N/A	N/A	N/A	N/A	N/A
Landslide	Moderate	N/A	N/A	N/A	N/A	N/A	N/A
Sea Level Rise	Inundation area	N/A	N/A	N/A	N/A	N/A	N/A
Tsunami	Inundation area	N/A	N/A	N/A	N/A	N/A	N/A
	Very high	0	N/A	0	0	0	0
Wildland Fire	High	0	N/A	0	0	0	0
	Moderate	9,132	0.14	1,426	126,775	226	55,611
Windstorm	Prevailing wind zone	11,534	N/A	2,156	381,858	40	52,206

¹Value = Building value based on Tax Assessor records (x1000)

N/A = Not Applicable

Appendix T
City of Soledad

Table T-4
City of Soledad Potential Hazard Vulnerability Analysis – Critical Facilities

		Government		Emergency Response		Lifeline Utilities		Care		Educational		Marine, Environmental, and Community		Total	
Hazard	Methodology	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹
Agricultural Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal Erosion	100-year erosion zone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dam Failure	Inundation area	1	6,659	1	0	1	0	1	0	0	0	0	0	4	6,659
Earthquake	Extreme	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	High	0	0	2	64	1	0	2	0	9	132	0	0	0	14
	Moderate	1	6,659	0	0	0	0	0	0	0	0	0	0	1	6,659
Flood	100-year flood zone	0	0	0	0	1	0	0	0	0	0	0	0	1	0
Hazardous Materials Event	1-mile buffer transport corridor	1	6,659	2	0	1	0	2	0	8	132	0	0	14	6,791
Landslide	1-mile buffer fixed site	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea Level Rise	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Moderate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tsunami	Inundation area	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Wildland Fire	Very high	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Windstorm	Predominant wind zone	1	6,659	2	2,360	9	88,138	6	8,802	8	4,720	0	0	26	110,679

¹ Value = Building value based on Tax Assessor records (x1000)

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City of Soledad

Table T-5
City of Soledad Potential Hazard Vulnerability Analysis – Critical Infrastructure

Hazard	Methodology	Highways			Railroads			Bridges			Airports		
		Miles	Value (\$) ¹	Miles	Value (\$) ¹	Number	Value (\$) ¹	Number	Value (\$) ¹	Number	Value (\$) ¹	Number	Value (\$) ¹
Agricultural Emergency	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Coastal Erosion	100-year erosion zone	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
Dam Failure	Inundation area	1.2	8,278	1.5	2,070	4	5,278	N/A	N/A	N/A	N/A	N/A	N/A
	Extreme	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
Earthquake	High	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
	Moderate	2.0	12,508	1.7	2,405	4	5,278	N/A	N/A	N/A	N/A	N/A	N/A
Flood	100-year flood zone	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
	1-mile buffer transport corridor	0.8	TBD	2.3	TBD	3	TBD	N/A	N/A	N/A	N/A	N/A	N/A
Hazardous Materials Event	1-mile buffer fixed site	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
	High	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
Landslide	Moderate	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
Sea Level Rise	Inundation area	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tsunami	Inundation area	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Very high	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
Wildland Fire	High	0.0	0	0.0	0	0	0	0	0	0	N/A	N/A	N/A
	Moderate	0.0	0	1.9	TBD	1	TBD	N/A	N/A	N/A	N/A	N/A	N/A
Windstorm	Prevailing wind zone	2.0	12,508	1.7	2,405	4	5,278	N/A	N/A	N/A	N/A	N/A	N/A

¹ Value = Estimated value (x1000)

Agricultural Emergency

There are 30.4 acres (0.048 square miles) of cropland in the City of Soledad that intersect with the 100-year floodplain.

Dam Failure

Failure of the San Antonio and Nacimiento dams pose a risk within the western portion of the city. Exposed within the inundation zones are 3,333 people, 612 residential buildings (worth \$115.1 million), 30 nonresidential buildings (worth \$48.4 million), and 4 critical facilities (worth \$96.7 million). 1.2 miles of highway, 1.5 miles of railroad tracks, and 4 bridges are also located in this hazard area.

Earthquake

All of the City of Soledad is located in a moderate shaking hazard area. As such, 11,534 people, 2,156 residential buildings (worth \$381.9 million), 40 nonresidential buildings (worth \$52.2 million), and 15 critical facilities (worth \$6.9 million) are vulnerable to a moderate shaking event. 2.0 miles of highway, 1.7 miles of railroad tracks, and 4 bridges are located in this hazard area.

Flood

The SFHA of Salinas River is located in the southern portion of the city. Exposed within this hazard area are 29 people, 7 residential buildings (worth \$1.4 million), and 1 critical facility.

Hazardous Materials Event

Within the 1-mile buffer around the transportation corridors, approximately 91 percent of **Soledad's population is exposed to a hazardous materials transport event. This includes** 10,499 people, 1,896 residential buildings (worth \$190.6 million), 645 nonresidential buildings (worth \$155.0 million), and 14 critical facilities (worth \$6.8 million). These figures are for the entirety of the transportation corridors and, therefore, overstate the exposure since a single HAZMAT event at a given point along these corridors is unlikely to affect all of the area within the 1-mile buffer.

There are no hazards associated with fixed HAZMAT sites within the city.

Wildland Fire

Nearly 80 percent of the city resides in a moderate wildland hazard area. Within this area of exposure are 9,132 people, 1,426 residential buildings (worth \$126.8 million), 226 nonresidential buildings (worth \$55.6 million) and 11 critical facilities (worth \$6.8 million).

Windstorm

Windstorms created by prevailing northwest sustained surface winds are common throughout the central and southern Salinas Valley. As such, all of Soledad's residents, buildings, and facilities are susceptible to windstorms.

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City of Soledad

Table T-6
City of Soledad Legal and Regulatory Resources Available for Hazard Mitigation

Regulatory Tool	Chapter or Section	Effect on Hazard Mitigation	
Plans and Ordinances	2005 General Plan	Establishes policies that will minimize the potential of human injury and property damage to the following seismic, flood, and fire hazards.	
	Hazards Chapter, Safety Element	Presently covered under countywide multi-jurisdictional hazard mitigation plan. This plan is currently being updated and is anticipated to be completed and re-adopted in late 2014.	
	Hazard Mitigation Plan		
	Open Space Management Plan		
	Stormwater Management Plan	Currently under development.	
	Climate Adaptation Plan	Currently under development.	
	Emergency Management Plan		
	Continuity of Operations Plan		
	Capital Improvements Plan	Currently under development.	
	Economic Development Plan		
Programs	Historic Preservation Plan		
	Transportation Plan		
	Floodplain Ordinance		
	Zoning Ordinance		
	Subdivision Ordinance		
	Site Plan Review Requirements		
	Fire Code	Makes affordable flood insurance available to homeowners, business owners, and renters in participating communities. In exchange, those communities must adopt and enforce minimum floodplain management regulations to reduce the risk of damage from future floods.	
(Municipal Code)	National Flood Insurance Program (NFIP)		
	Title 15 Building Construction	Chapter 15.08 Adoption of the California Building Code	Adopts the 1997 California Building Code, including the Uniform Code for the Abatement of Dangerous Buildings. Amendments have been made to the code for erosion control, runoff control, building site runoff, runoff retention, and dust.

Table T-7
City of Soledad Administrative and Technical Resources for Hazard Mitigation

Staff/Personnel Resources	Department/Division Position
Planner(s) or engineer(s) with knowledge of land development and land management practices	Community Development
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Community Development, Public Works
Planner(s) or engineer(s) with an understanding of manmade or natural hazards	Community Development, Public Works
Building inspector	Community Development
Staff with education or expertise to assess the community's vulnerability to hazards	Public Works
Maintenance programs to reduce risk	Public Works
Warning systems/services	Public Works, Police, Fire
Mutual Aid Agreements	Fire

Table T-8
City of Soledad Financial Resources for Hazard Mitigation

Financial Resources	Effect on Hazard Mitigation
General funds	If funding is available, can be used for hazard mitigation activity.
Capital improvements project funding	Planning and City Manager's departments have used the Capital Improvements Program to factor hazard mitigation principles or opportunities local projects.
Water/sewer fees	Enterprise funds used for hazard mitigation. (Meet the requirements of stormwater runoff and control, etc.)
Development impact fees	This will be the first year that these funds will be available for hazard mitigation. Funds have been used to improve the resiliency of the fire station and city infrastructure.
Authority to levy taxes for specific purposes	Can be used for any hazard mitigation activity, but only eligible for use with voter approval (Prop 218).
Incur debt through general obligation bonds	Can be used for any hazard mitigation activity but only eligible for use without voter approval.
Incur debt through special tax and revenue bonds	Revenue Bonds can be issued through the County without voter approval, to raise funds for hazard mitigation activities.
Incur debt through private activity bonds	Can be used for any hazard mitigation activity but it (private activity bond) must meet certain criteria.
FEMA HMGP and PDM grants	HMGP grant funding is available to local communities after a Presidentially-declared disaster. It can be used to fund both pre- and post-disaster mitigation plans and projects. PDM funding is available on an annual basis. This grant can only be used to fund pre-disaster mitigation plans and projects only.
Community Development Block Grants (CDBG)	The Community Development Block Grant (CDBG) program is a flexible program that provides communities with resources to address a wide range of unique community development needs.
United States Fire Administration (USFA) Grants	The purpose of these grants is to assist state, regional, national, or local organizations to address fire prevention and safety. The primary goal is to reach high-risk target groups including children, seniors, and firefighters.

Table T-9
City of Soledad Education and Outreach Resources for Hazard Mitigation

Education and Outreach Resources	Effect on Hazard Mitigation
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Due to economic downturn less has been done in the area of public outreach and education.

Problem Statements are statements of particular interest with regard to primary hazards of concern, geographic areas of concern, or vulnerable community assets. These statements were primarily derived from local community site visits and discussion with local staff and officials from each community during Individual Jurisdiction Meetings, in combination with a review of the Safety Elements of local General Plans and GIS analysis using best available data in support of updates to the vulnerability analysis for each jurisdiction. They were developed to assist in the identification and analysis of potential hazard mitigation actions for the City of Soledad.

- **The city's wastewater treatment plant along the Salinas River** is the critical facility deemed most at risk to flooding damage and service interruption. As a result of past floods, the river channel has moved closer to the plant and right up against the protective levee, which due to increased threat, should be raised and strengthened despite being designed for the 100-year flood event. Further, the plant's electrical and mechanical equipment is not elevated so the levee is the only protective measure currently in place.
- Areas surrounding the Highway 101 overpasses, especially near shopping centers, are **deemed vulnerable to flooding**. The source of past flooding events wasn't limited to the Salinas River, but also runoff from mountains as conveyed through the Bryant Canyon Channel managed by MCWRA.
- The city frequently must respond to fires in the Salinas River bottom, mainly due to uncontrolled vegetation growth. The greatest threat to structures caused by wildland fire is to eastern portions of the city, although risk is managed through weed abatement and fuels reduction program, combined with local development regulations for any new construction along wildland/urban interface (sprinkler and roof type requirements, etc.). The most significant effect caused by the wildland fire hazard is deemed to be the public health threat created by smoke and reduction in air quality across the entire city during large events.
- The city still has a number of old URM buildings located in its downtown area. While each **has been posted with a warning placard** the city's inventory should be used to identify and prioritize structures for seismic retrofitting.

Appendix T
City of Soledad

Table T-10
City of Soledad Mitigation Action Plan Matrix

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Costs	Status	Narrative Update/Explanation
1	Create incentives (e.g., rebates) to promote homeowner/business owner disaster-resistant development (e.g., Class A roofing material).	Priority / High	Fire	USFA, PDM, and HGMP Grants	1-2 years	An incentives program will help build and support local capacity to enable the public to prepare for disasters.	Deferred	No funding for program at present
2	Identify hazard-prone critical facilities and infrastructure and carry out acquisition, relocation, and structural and nonstructural retrofitting measures as necessary.	Priority / High	Public Works	PDM and HGMP Grants	0-1 years, Ongoing	This action will help ensure that the community/critical facilities can operate in some capacity before, during, and after the disaster.	Deferred	No funding for program at present
3	Develop audience-specific hazard mitigation outreach efforts. Audiences include the elderly, children, tourists, non-English speaking residents, and home and business owners.	Priority / High	Economic Development	PDM Grants and General Funds	0-1 years, Ongoing	A mitigation outreach program will help build and support local capacity to enable the public to prepare for, respond to, and recover from disasters.	Partially Completed / In Progress	Done on project-by-project basis
4	Develop an unreinforced masonry grant program that helps correct earthquake-risk nonmasonry building problems, including chimney bracing and anchoring water heaters.	Priority / High	Community Development	PDM and HGMP Grants	0-2 years, Ongoing	The identification and mitigation of unreinforced nonmasonry buildings will reduce potential losses due to earthquakes.	Deferred	No funding for program at present
5	Identify and carry-out minor flood and stormwater management projects that would reduce damage to infrastructure and damage due to local	Priority / High	Public Works	PDM and HGMP Grants	1-3 years, Ongoing	The identification and implementation of minor flood and stormwater management projects will reduce multi-asset.	Deferred	No funding for program at present

Appendix T
City of Soledad

Table T-10
City of Soledad Mitigation Action Plan Matrix

Action Number	Description	Ranking / Prioritization	Administering Department	Potential Funding	Timeframe	Benefit-Costs	Status	Narrative Update/Explanation
	flooding/inadequate drainage. These include the modification of existing culverts and bridges, upgrading capacity of storm drains, stabilization of streambanks, and creation of debris or flood/stormwater retention basins in small watersheds.				(critical facility, critical infrastructure, and residential and nonresidential) losses due to flooding.			
6	Create defensible space guidelines for both new and existing buildings that are in areas of very high and extreme fire hazard areas.	Priority / High	Fire	USFA, PDM, and HGMP Grants	0-1 years	The potential cost of this mitigation action seems reasonable for the size of the problem and its likely benefits.	Deferred	No funding for program at present

No new mitigation actions have been proposed for the next five-year cycle due to current funding level and supplies. As funding becomes available, the existing mitigation actions presented in the Mitigation Action Plan above will be addressed and supported. These strategies are still identified as priority action items within the City.

Appendix U

Special Districts

Appendix U

Special Districts

Table U-1
Special District Facilities

Name	Category	Facility Type	Address	Insured Structural Value (x\$1000)
Monterey Regional Water Pollution Control Agency	MRWPCA	District Office	5 Harris Court, Monterey, CA 93940	1,180
Monterey Regional Water Pollution Control Agency	MRWPCA	District Office	1951 Del Monte Blvd., Monterey, CA 93940	1,180
Monterey Regional Water Pollution Control Agency	MRWPCA	District Office	146 Hitchcock Rd., Salinas, CA 93955	1,180
Monterey Regional Water Pollution Control Agency	MRWPCA	District office	#1 Bay St., Sand City, CA 93955	1,180
Monterey Regional Water Pollution Control Agency	MRWPCA	Treatment Plant	Monterey Regional Environmental Park, Marina, CA, 93933	78,588
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Coral St, Pacific Grove*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Fountain Ave., Pacific Grove*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	(Reaside), Monterey*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Monterey*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Seaside*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Marina*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Ford Ord, Marina*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Salinas*	1,456
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Moss Landing*	1,456

Appendix U

Special Districts

Table U-1
Special District Facilities

Name	Category	Facility Type	Address	Insured Structural Value (x\$1000)
Monterey Regional Water Pollution Control Agency	MRWPCA	Pump Station	Castroville*	1,456
Carmel Area Wastewater District	CAWD	District Office	3945 Rio Rd., Carmel, CA 93923	1,180
Carmel Area Wastewater District	CAWD	Treatment Plant	Highway 1 and Carmel River, CA 93923	78,588
Carmel Area Wastewater District	CAWD	Pump Station #1	8 th Ave. and Scenic Dr.	1,456
Carmel Area Wastewater District	CAWD	Pump Station #2	16 th Ave. and Monte Verde St.	1,456
Carmel Area Wastewater District	CAWD	Pump Station #3	Bay Ct. and Scenic Dr.*	1,456
Carmel Area Wastewater District	CAWD	Pump Station	Hacienda Carmel*	1,456
Carmel Area Wastewater District	CAWD	Pump Station	Carmel Meadows*	1,456
Carmel Area Wastewater District	CAWD	Pump Station	Carmel Highlands*	1,456
North County Fire Protection District	Fire District	Station #1 / Headquarters	11200 Speegle St., Castroville, CA 95012	708
North County Fire Protection District	Fire District	Station #2	17639 Pesante Rd., Prunedale, CA 93907	708
North County Fire Protection District	Fire District	Station #3	301 Elkhorn Rd., Royal Oaks, CA 95076	708
Aromas / Tri-County Fire Protection District	Fire District	CDF Station #1	492 Carpenteria Rd., Aromas, CA 95004	708
Salinas Rural Fire Protection District	Fire District	Station #1	19900 Portola Dr., Salinas, CA 93908	708

Appendix U

Special Districts

Table U-1
Special District Facilities

Name	Category	Facility Type	Address	Insured Structural Value (x\$1000)
Salinas Rural Fire Protection District	Fire District	Station #2	24281 Washington St., Chualar, CA 93925	708
Salinas Rural Fire Protection District	Fire District	Station #3	31 Laureles Gd., Salinas, CA 93908	708
Spreckels Volunteer Fire Company Station	Fire District	Station #1	38 Spreckels Blvd., Spreckels, CA 93962	708
Pebble Beach Community Service District Fire Department	Fire District	CDF Station	3101-B Forest Lake Road, Pebble Beach, CA 93953	708
Cypress Fire Protection District	Fire District	Station #1	3775 Rio Rd., Carmel CA 93923	708
Cypress Fire Protection District	Fire District	Station #2	4180 17 Mile Dr., Carmel, CA 93932	708
Carmel Valley Fire Protection District	Fire District	Station #1	8455 Carmel Valley Rd., Carmel Valley, CA 93924	708
Carmel Valley Fire Protection District	Fire District	Station #2	26 Via Contenta, Carmel Valley, CA 93924	708
Carmel Highlands Fire Protection District	Fire District	CDF Station #1	73 Fern Canyon Rd., Carmel, CA 93923	708
Mid Coast Fire Brigade	Fire District	Station #1	38000 Palo Colorado Rd., Carmel, CA 93923	708
Big Sur Volunteer Fire Brigade	Fire District	Station #1	Post Ranch Hwy. 1, Big Sur, CA 93920	708
Big Sur Volunteer Fire Brigade	Fire District	Station #2	South Coast Center Hwy. 1, Big Sur, CA 93920	708
Big Sur Volunteer Fire Brigade	Fire District	Station #3	Willow Springs Caltrans Yard, Big Sur	708

Appendix U

Special Districts

Table U-1
Special District Facilities

Name	Category	Facility Type	Address	Insured Structural Value (x\$1000)
Cachagua Fire Protection District	Fire District	Station #1	37200 Nason Road, Carmel Valley, CA 93924	708
San Adro Volunteer Fire Department	Fire District	Station #1	62180 Railroad Rd., San Adro, CA 93450	708
Monterey Peninsula Airport District	MPAD	Airport	200 Fred Kane Dr., Monterey, CA 93940	6,431
Monterey Peninsula Airport District	MPAD	Fire Department Station	200 Fred Kane Dr., Monterey, CA 93940	708
Chualar Sanitation District	Sanitation District	Pump Station	Corner of Main St. and Grant St., Chualar	1,456
Boronda Sanitation District	Sanitation District	Pump Station	Corner of El Rancho Rd. and Virginia Road.	1,456
Boronda Sanitation District	Sanitation District	Pump Station	Corner of Virginia Rd. and Boronda Rd.	1,456
Boronda Sanitation District	Sanitation District	Pump Station	328 Boronda Rd., Salinas, CA 93907	1,456
Boronda Sanitation District	Sanitation District	Pump Station	Madison Ln., Salinas, CA 93907	1,456
Boronda Sanitation District	Sanitation District	Pump Station	15099 Canario St., Salinas, CA 93907	1,456
Moss Landing Sanitation District	Sanitation District	Pump Station	124 Struve Rd., Moss Landing, CA 95039	1,456
Moss Landing Sanitation District	Sanitation District	Pump Station	*	1,456
Moss Landing Sanitation District	Sanitation District	Pump Station	Sandholdt Rd., Moss Landing, CA 95039	1,456
Moss Landing Sanitation District	Sanitation District	Pump Station	10933 Potrero Rd., Moss Landing, CA 95039	1,456
Pajaro Sanitation District	Sanitation District	Pump Station	230 Hall Rd., Pajaro, CA 95076	1,456
Pajaro Sanitation District	Sanitation District	Pump Station	87 Oak Rd. Pajaro, CA 95076	1,456

Appendix U

Special Districts

Table U-1
Special District Facilities

Name	Category	Facility Type	Address	Insured Structural Value (x\$1000)
Pajaro Sanitation District	Sanitation District	Pump Station	13234 Heritage Rd. Pajaro, CA 95076	1,456
Pajaro Sanitation District	Sanitation District	Pump Station	End of Colonial Rd. Pajaro, CA 95076	1,456
Pajaro Sanitation District	Sanitation District	Pump Station	Corner of Bay Hill Rd. and Bay Farms Rd. Pajaro, CA 95076	1,456
Pajaro Sanitation District	Sanitation District	Pump Station	538 Salinas Rd. Pajaro, CA 95076	1,456

* Unknown and/or incomplete facility address location. Not included in vulnerability analysis.

Appendix U Special Districts

Table U-2
Special District Facilities - Potential Hazard Vulnerability Analysis

Hazard	Methodology	MRWPCA		CAWD		Sanitation Districts		Fire Districts		MPAD		Total	
		No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹	No.	Value (\$) ¹
Coastal Erosion	100-year erosion zone	0	0	0	0	0	0	0	0	0	0	0	0
Dam Failure	Inundation area	1	1,180	3	81,224	3	4,368	5	3,540	0	0	0	12
	Extreme	0	0	0	0	2	2,912	1	708	0	0	0	708
Earthquake	High	3	80,948	4	82,680	12	17,472	9	6,372	0	0	0	170,000
	Moderate	1	1,180	0	0	0	0	8	5,664	2	7,139	11	13,983
Flood	100-year flood zone	1	1,180	2	79,768	1	1,456	1	708	0	0	0	5
Hazardous Materials Event	1-mile buffer transport corridor	3	3,540	2	79,768	9	13,104	12	8,496	2	7,139	28	98,943
Landslide	High	0	0	0	0	0	1	708	0	0	0	1	708
	Moderate	0	0	0	0	0	2	1,416	0	0	0	2	1,416
Tsunami	Maximum average run-up	2	2,360	1	78,588	0	0	1	708	0	0	0	81,656
	Very high	0	0	0	0	0	0	0	0	0	0	0	0
Wildland Fire	High	0	0	0	0	0	3	2,124	0	0	0	3	2,124
	Moderate	2	2,360	4	82,680	11	16,016	15	10,620	2	7,139	34	102,799
Windstorm	Prevailing wind zone	0	0	0	0	1	1,456	2	1,416	0	0	3	1,416