



SAN MATEO COUNTY HAZARD MITIGATION PLAN YEAR #1 PROGRESS REPORT

Reporting Period

September 2016 through September 2017

Background

San Mateo County and 28 local government planning partners from within the San Mateo County Operational area collaborated on the development of a multijurisdictional hazard mitigation plan pursuant to the Disaster Mitigation Act of 2000 (Public Law 106-390) from November of 2015 to September of 2016. The plan was approved by FEMA Region IX for compliance with Section 201.6, Chapter 44 of the Code of Federal Regulations on September 14, 2016. This plan details the planning partnership's vision for reducing risk from all hazards, identifying resources, information, and strategies for risk reduction. By completing this process, all planning partners to this plan complied with the Disaster Mitigation Act and maintained eligibility for hazard mitigation grant funding opportunities afforded under the Robert T. Stafford Act. The plan is available to the public through the San Mateo County Hazard Mitigation Plan website at:

<http://planning.smcgov.org/local-hazard-mitigation-plan>

Benefits of Mitigation Planning

Maintenance of this plan enables the San Mateo County planning partnership to pursue hazard mitigation grant funding administered by FEMA under the Robert T Stafford Act. A FEMA-approved Hazard Mitigation Plan is a principal prerequisite for this funding. Many of the planning partners to this plan have leveraged funding from this program in the past to significantly reduce the planning area's risk associated with natural hazards.

Summary Overview of the Plan's Progress

The performance period for the Hazard Mitigation Plan began on September 14, 2016, with FEMA's final approval. The initial performance period for this plan is 5 years, with an update anticipated before September of 2021. Pursuant to the plan maintenance strategy outlined in volume 1, section 3, chapter 5 of the plan, this represents the first annual progress report for the plan. The Hazard Mitigation Plan identified 629 hazard mitigation initiatives to be pursued during the 5-year performance period. As of this reporting period, the following progress can be reported:

- 466 out of 629 initiatives (74%) reported ongoing action toward completion.
- 94 out of 629 initiatives (15%) reported no action taken.
- 56 out of 629 initiatives (9%) was completed.
- 7 initiatives were removed due to elimination of a program.

Purpose

The purpose of this report is to provide the San Mateo County Planning Partnership, stakeholders and citizens an annual update on implementation of the action plans identified in the San Mateo County Hazard Mitigation Plan (SMCHMP). The objective of the annual evaluation is to ensure a

continuous planning process that keeps the SMCHMP dynamic and responsive to the needs of the stakeholders. This report was prepared by the planning team. It was reviewed and confirmed by the Hazard Mitigation Working Group, in accordance with Volume 1, Section 3, Chapter 5, section 5.1.2 of the Plan. The Working Group convened on August 12, 2017, to review and provide inputs on the contents of this report. This report discusses the following:

- Changes in risk exposure within the planning area
- Mitigation success stories
- Review of action plan status
- Recommendations for changes/enhancement

Changes in Risk Exposure in the Planning Area

The SMCHMP addressed the probable impact of the following natural hazard events within the San Mateo County Operational Area:

- Dam failure
- Drought
- Earthquake
- Flood
- Landslides
- Severe weather
- Tsunami
- Wildland fire
- Human Caused Hazards

There were no recorded or observed events during the reporting period that would change fundamental components of the risk assessment in the SMCHMP including:

- Occurrence
- Frequency
- Severity
- Warning Time

Mitigation Success Stories

1. **City of Pacifica** received \$4M in funding for two projects – the acquisition and demolition of 532 & 528 Esplanade and also for the future planned 310-330 Esplanade seawall.
2. **San Mateo County** submitted documents for reimbursement claims for winter storms.

Recommendations for changes/enhancement

- Better countywide grant opportunities coordination
- Cal OES asked about sea level rise – email response sent to Karen McReady at Cal OES on 14 NOV 2017:

“The San Mateo County plan was completed and submitted to the state prior to the effective date of CA Assembly Bill 379, but that the planning team was aware of the legislation and its impacts on hazard mitigation planning in CA after 1/1/2017. While the 2016 San Mateo County planning process would not technically meet the requirements for SB379 compliance, San Mateo County and its planning partners are well positioned for SB379 compliance upon the next update to the plan because of how the 2016 plan addressed climate change impacts and sea level rise.”

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Belmont Fire Protection District				
Initiative BFPD-12—Continue with water conservation measures to promote water savings at both fire stations and during training exercises.				
No	Short Term (<5yrs.)	No	Although the Governor ended the drought state of emergency on April 7, 2017 through Executive Order B-40-17, the fire district will continue to encourage conservation measures to promote water savings at both fire stations and during training exercises.	Ongoing
Initiative BFPD-2—Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions within Belmont and the County of San Mateo.				
No	Short Term (<5yrs.)	No	The Fire District has continued to participate in the development of the City of Belmont's 2035 General Plan Update, with particular emphasis on the Safety, Land Use, Parks, Recreation and Open Space, and Conservation elements of the plan. The Draft EIR is currently out for public comment and it is anticipated that adoption of the plan will occur in Fall 2017. Additionally, The fire district is working with the city on the revision of the Emergency Operations Plan, which includes more closely aligning the fire district into the plan.	Ongoing
Initiative BFPD-7—Replace fire station that has been identified as structurally at risk from ground shaking due to on-going differential foundation movement.				
No	Long Term (5+yrs.)	No	To date, the fire district continues to evaluate alternatives related to the re-building vs. relocation of Fire Station 15. The district has allocated \$150,000 for the FY18 fiscal year towards conceptual plan development with re-building the station at its current location. Additionally, the district is researching potential alternative sites for the station, including securing hazard mitigation grant funds due to the station's physical proximity to the wildland urban interface area.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BFPD-10—Continue to participate in FIRESAFE San Mateo County Committee in identifying opportunities to mitigate the wildfire threat within the fire district’s service area.				
No	Short Term (<5yrs.)	No	The fire district continues to participate in the San Mateo County Firesafe Council meetings. Requested and received reprints of "Living with Fire in San Mateo County" guides for public education events, including National Night Out, targeting homeowners within the wildland urban interface areas. Additionally, coordinating with the council on developing a Chipper Program within the wildland urban interface areas of the district's service area, including the use of an SRA grant funded track chipper which is currently being manufactured.	Ongoing
Initiative BFPD-1—Where appropriate, support retro-fitting, purchase or relocation of structures located in high hazard areas and prioritize those structures that have experienced repetitive losses.				
No	Short Term (<5yrs.)	No	The fire district continues to support retro-fitting, purchase or relocation of structures located in high hazard area areas and the prioritization of those structures that have experienced repetitive losses. To date, one application for soft-story retrofitting has been submitted to the city's Building Department this year and building official staff are considering applying for a grant to fund a soft-story retrofit financing option for property owners wishing to finance retrofit projects.	No Progress
Initiative BFPD-3—Coordinate with the City of Belmont in developing and implementing a program to capture perishable data after significant events (e.g. high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The fire district has been working with the city through such programs as CERT to utilize alternative methods for collecting data such as damage assessment following significant events. Most recently the city and fire district have identified the need for more “pre-event” planning and coordination in documenting and tracking citywide impacts and resources during significant events following the recent winter storms in January & February of this year.	Ongoing
Initiative BFPD-4—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The fire District continues to support the county-wide initiatives identified in Volume I of the hazard mitigation plan and coordinates with the city's emergency manager, who actively participates in the San Mateo County Emergency Managers Association and attends the quarterly meetings of the San Mateo County Operational Area JPA Board.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BFPD-5—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	A fire district representative stays in contact with the San Mateo County Local Hazard Mitigation Coordinator and coordinates with the city's emergency manager on the maintenance protocols associated with the hazard mitigation plan.	Ongoing
Initiative BFPD-6—Coordinate with the City of Belmont in the development of a post-disaster recovery plan and a debris management plan.				
No	Long Term (5+yrs.)	No	The fire district continues to coordinate with the city's emergency manager in the revision of the city & fire district Emergency Operations Plan (EOP) including associated annexes. Debris management is one such annex that is scheduled for development.	Ongoing
Initiative BFPD-8—Continue to coordinate with the City of Belmont Parks Department and the California Department of Forestry and Fire Protection (CAL-Fire) annually on requesting California Department of Corrections (CDC) crews to assist in vegetation removal within the wildland urban interface (WUI) areas of Belmont.				
No	Short Term (<5yrs.)	No	The fire district continues to partner with the Belmont Parks Department on requesting California Department of Corrections (CDC) crews in mitigating the wildfire threat through vegetation removal within the wildland urban interface areas. For calendar year 2017, a total of eight (8) crew days were approved for vegetation removal, including ladder fuels, invasive brush and poison oak in areas identified within the John Brooks Open Space area.	Ongoing
Initiative BFPD-9—Coordinate with local water district on assessing current water delivery infrastructure and fire suppression needs in wildland urban interface (WUI) areas in Belmont.				
No	Short Term (<5yrs.)	No	To date, the fire district has had limited interaction with the water district associated with this. The only action item taken to date has been the incorporation of GIS data from the water district associated with fire hydrant locations into the fire district's GIS mapping.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BFPD-11—Coordinate with the City of Belmont in the participation of the Firewise, StormReady and Community Rating System (CRS) programs				
No	Short Term (<5yrs.)	No	Although the fire district has not implemented a Firewise Program within our service area to date, we continue to participate in the San Mateo County Fire Safe Council addressing similar outreach & education opportunities through a number of methods including involvement in public events and on-line materials addressing the WUI fire threat and mitigation actions property owners can/should take in reducing this threat. Over the next year the fire district will coordinate with the Firesafe Council and the city of Belmont on the implementation of a Firewise Program. The fire district will also work with the city's emergency manager in the participation of the StormReady and Community Rating System programs.	No Progress
City of Belmont				
Initiative BM-1—Where appropriate, support retro-fitting, purchase or relocation of structures located in high hazard areas and prioritize those structures that have experienced repetitive losses.				
No	Long Term (5+yrs.)	No	One application for soft-story retrofitting submitted to Building Department this year. Applicant did not request aid or assistance. Staff is looking into the possibility of applying for a grant to fund a soft-story retrofit financing option for property owners wishing to finance their retrofits. However, at this time no grant funding has been found.	Ongoing
Initiative BM-7—Work with building officials to identify ways to improve the jurisdictions' BCEGS classification.				
No	Short Term (<5yrs.)	No	Staff is looking, on-going basis, for additional training opportunities for building inspectors to improve the City's ISO Building Code Effectiveness Grading Schedule.	No Progress
Initiative BM-2—Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions within Belmont.				
No	Other, please specify	No	Emergency Management personnel has continued to participate in the development of the City of Belmont's 2035 General Plan update with particular emphasis on the hazard mitigation components associated with the Safety, Land Use, Parks, Recreation and Open Space, and Conservation Elements of the plan.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BM-10—Develop a Soft Story Retrofit Program requiring property owners to seismically strengthen vulnerable residential buildings in Belmont modeled after City & County of San Francisco’s Program.				
No	Long Term (5+yrs.)	No	Continuing to evaluate materials from City & County of San Francisco's Program in cooperation with the City's Building Division.	No Progress
Initiative BM-5—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Staying in contact with San Mateo County Local Hazard Mitigation Coordinator.	No Progress
Initiative BM-8—Develop a post-disaster recovery plan and a debris management plan.				
No	Long Term (5+yrs.)	No	To date we continue to revise City's Emergency Operations Plan (EOP) including annexes. Debris management is one of the annexes scheduled for development. Currently behind other annexes with statutory deadlines (e.g. Water Dog Lake Dam EAP Annex).	Ongoing
Initiative BM-11—Develop a Continuity of Operations Plan (COOP) to ensure the continuation of government functions following a significant event.				
No	Short Term (<5yrs.)	No	City Administration succession plan in place, more detailed COOP for general City operations under review/development.	Ongoing
Initiative BM-13—Develop emergency preparedness outreach program targeting vulnerable populations (i.e. school children, elderly) within community.				
No	Short Term (<5yrs.)	No	Regularly participate in Senior Outreach events through the Park & Recreation Department. Participated with American Red Cross in Smoke Detector inspection and installation program for vulnerable populations. Emergency Management staff participates in SNF Ready program to improve preparedness of skilled nursing and assisted living facilities.	Ongoing
Initiative BM-19—Partner with Mid-Peninsula Water District on providing water conservation outreach & education to community.				
No	Short Term (<5yrs.)	No	Although the Governor ended the drought state of emergency on April 7, 2017, through executive order B-40-17 the City will continue to partner with the water district on providing water conservation outreach & education to the community. Recent examples included National Night Out and the Public Works Open House Event. Mid-Peninsula Water is a regular contributor to the City Manager's on-line Weekly Update.	Ongoing

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ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BM-24—Expand public outreach/education and emergency notification to include Water Dog Lake Dam failure threat.				
No	Short Term (<5yrs.)	No	Currently working on review and update of the Notre Dame Dam (aka Water Dog Lake Dam) Emergency Action Plan Annex to the City's Emergency Operations Plan, with a deadline of submission to the CA Department of Water Resources of January 1, 2019. This will include specifics on public outreach and emergency notification.	Ongoing
Initiative BM-22—Work with Mid-Peninsula Water District on incorporating procedures into city's Emergency Operations Plan (EOP) addressing potential failure of non-seismic retrofitted water tanks.				
No	Short Term (<5yrs.)	No	As part of the City's Emergency Operations Plan update, an emergency plan annex will be developed specific to the MPWD storage facilities in the City. We are currently working with them regarding security issues at the sites.	Ongoing
Initiative BM-4—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Emergency Management staff actively participate in the San Mateo County Emergency Managers Association and attend the quarterly meetings of the San Mateo County Operational Area JPA Board. Staff continue to network and collaborate with other Emergency Managers in the County on a regular on-going basis.	Ongoing
Initiative BM-3—Develop and implement a program to capture perishable data after significant events (e.g. high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Community Emergency Response Team (CERT) members are utilized during winter storms and other major events to supplement regular City staff performing damage assessment and damage documentation. Emergency Management staff currently coordinating storm damage identification and documentation as part of the recovery efforts from 2017 Winter Storms with other City Staff and representatives of FEMA. This includes development of enhanced damage data collection mechanisms for future storms and other situations.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BM-9—Participate in programs such as Firewise, StormReady and the Community Rating System.				
No	Short Term (<5yrs.)	No	The City, through and in partnership with the on-going efforts of the Belmont Fire Protection District, participates in the San Mateo County Fire Safe Council to identify and address issues related to the Wildland-Urban Interface. This includes on-going public outreach and education through a multi-pronged public education campaign involving public events and an strong on-line presence. Staff continues to evaluate participation in the Community Rating System.	Ongoing
Initiative BM-17—Coordinate with the California Department of Forestry and Fire Protection’s Fire and Resource Assessment Program (FRAP) on expanding the Very High Fire Hazard Severity Zone (VHFHSZ) to the San Juan Canyon area of Belmont.				
No	Short Term (<5yrs.)	No	The City, through the Parks and Recreation Department, continues to work closely with the Belmont Fire Protection District (San Mateo Consolidated Fire) to coordinate mitigation of high hazard locations (e.g. CDCR brush removal crews). The BFPD is in contact with Cal Fire regarding revised maps showing expanded VHFHSZ)	Ongoing
Initiative BM-12—Develop inventory of vulnerable populations (i.e. school children, elderly) within Belmont as well as a communications and resource allocation plan specific to target population.				
No	Short Term (<5yrs.)	No	In August, Emergency Management Staff met with the GIS Coordinator from the City's IT Department as part of the development of the GIS Strategic Plan, which will include using GIS layers to help identify and address local hazards and areas of concern, including geologically active areas and vulnerable populations.	Ongoing
Initiative G-1—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	No funding source has been identified as of yet to provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting. This is a component of the soft-story retrofitting effort currently under review.	No Progress
Initiative BM-20—Coordinate inventory and assessment of drought stressed and/or diseased trees within Belmont.				
No	Long Term (5+yrs.)	No	Due to staffing issues, the City's Park & Recreation Department, responds to tree issues as they are reported in a more reactive approach. Development of an inventory and assessment program of drought stressed and/or diseased trees is under consideration.	No Progress

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BM-6—Continue to maintain good standing and compliance under the National Flood Insurance Program (NFIP). This will be accomplished through the implementation of floodplain management programs that will, at a minimum, meet the requirements of the NFIP: • Enforcement of the flood damage prevention ordinance • Participate in floodplain identification and mapping updates • Provide public assistance/information on floodplain requirements and impacts.				
No	Other, please specify	No	City entered NFIP in March of 1982. Latest NFIP Rate Maps updated in July of 2015. Public education and assistance provided through the Public Works Department on an on-going basis as part of overall community outreach and education program. NFIP-specific training needed to keep DPW staff current.	No Progress
Initiative BM-25—Continue to work with local electric utility on the city’s Utilities Undergrounding Program				
No	Long Term (5+yrs.)	No	Over the past several years, city staff has worked with the community and city council on the development of the Old County Road Utility Underground project in partnership with Pacific Gas & Electric. Construction of the project, which covers a portion of the city limits along Old County Road and unincorporated San Mateo County, begins in September 2017 and will continue through June 2018.	Ongoing
Initiative BM-21—Develop long-term strategy for replacement of distressed roadways throughout Belmont				
No	Long Term (5+yrs.)	No	In November 2016 voters approved the Belmont Streets and City Services Measure I, a 1/2 cent general sales tax that will generate approx. \$1.3 million annually specifically for local infrastructure for the next 30 years. A citizen advisory committee to oversee the allocation of funds is currently being formed.	Ongoing
Initiative BM-15—Develop mapping of geologically active areas within Belmont for the purpose of adopting plans similar to the city’s San Juan Area Plan, which serves as a means to develop focused policies designed to address unique problems and assets in the area.				
No	Long Term (5+yrs.)	No	In August, Emergency Management Staff met with the GIS Coordinator from the City's IT Department as part of the development of the GIS Strategic Plan, which will include using GIS layers to help identify and address local hazards and areas of concern, including geologically active areas and vulnerable populations.	Ongoing
Initiative BM-16—Identify needs associated with a permanent drainage solution for the areas east of Highway 101 in Belmont.				
No	Long Term (5+yrs.)	No	This work is part of a joint watershed project with the City of San Carlos and the County of San Mateo for improvements to Belmont Creek.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BM-18—Facilitate improvements to Water Dog Lake Road for public safety access to open space areas in Belmont.				
No	Long Term (5+yrs.)	No	Preliminary discussions have occurred regarding improvements to Lake Road. The road itself is semi-paved and essentially unimproved. Tree and vegetation management is done to allow clearance for City and emergency vehicles. Because the road has a sewer line underneath it, provides access to our main storm water storage facility (Waterdog Lake) and is in a City recreation area, Parks, DPW and Public Safety will need to collaborate further and no funding source for these improvements has been identified.	No Progress
Initiative BM-14—Coordinate the dredging of Water Dog Lake to regain lost water storage capacity.				
No	Long Term (5+yrs.)	No	This is currently an unfunded project in the City’s Capital Improvement Projects (CIP).	No Progress
Initiative BM-23—Map inundation areas associated with Water Dog Lake Dam failure.				
No	Short Term (<5yrs.)	No	Currently working with DPW and US Army Corps of Engineers to obtain updated inundation maps as part of the update of the Notre Dame Dam (aka Water Dog Lake) Emergency Action Plan update.	Ongoing
City of Brisbane				
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Not a Brisbane project, but action already covered in BB-1.	Discontinue (comment required)
Initiative BB-3—Develop and implement a program to capture perishable data after significant events (e.g. high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan. Additionally, develop a cost tracking system that will ensure maximum FEMA/CDAA reimbursement from recovery through response phases of disasters.				
No	Short Term (<5yrs.)	No	The professional contract for development of a FEMA compliant cost tracking SOP has been issued. City is pending receipt of the document.	Ongoing
Initiative BB-4—Support the Countywide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Local oversight committee met 4/5/17 and discussed this item. No specific initiatives were discussed other than ongoing items.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BB-5—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Other, please specify	No	Local oversight committee met 4/5/17 as one of the requirements to satisfy this action item.	Ongoing
Initiative BB-8—Continue to refine a post-disaster recovery plan and a debris management plan.				
No	Long Term (5+yrs.)	No	Local oversight committee met 4/5/17 to discuss this item. PW will take the lead in coordinating with OES and SMC County to see if there is a desire to complete a countywide RFP for on-call services for debris management removal and program oversight.	Ongoing
Initiative BB-13—Disaster Response Staff Training. Continue to identify and provide training for response personnel.				
No	Other, please specify	No	The city’s primary EOC is being relocated from the BPD training room to a central location in Planning/Public Works. Staff assignments to the EOC were recently updated, and training assignments were provided to those personnel. DPW is revising the citywide damage assessment SOP for public facilities. IS100/700 training is planned for new/untrained employees this summer.	Ongoing
Initiative BB-11—Emergency responder ingress/egress. Design and construct a new intersection at Glen Park Way/Humboldt Road that will allow emergency responders access form the southern portion of the community, which is adjacent to an urban wildland interface.				
No	Long Term (5+yrs.)	No	Local oversight committee met 4/5/17 to discuss this item. No specific action has been taken this year.	Ongoing
Initiative BB-9—Critical Facility Upgrade. Provide new standby generator for Fire Station 81, and provide upgraded standby generator at City Hall to accommodate relocation of EOC to that facility.				
No	Short Term (<5yrs.)	No	HMGP NOIs for City Hall EOC and Station 81 Standby Genset upgrades submitted to CalOES 6/13/17. Staff has reached out to an electrical engineer for development of a concept plan and preliminary cost estimate needed before a grant application can be submitted. Independently, Station 81 is working to ensure the existing generator powers the entire station during outages.	Complete
Initiative BB-10—Critical Fuel Supply. Provide local fuel supply (none presently exists in the community) capable of supporting 3-5 days of fuel needs for emergency responders and standby generators (including those at water & sewer pump stations).				
No	Long Term (5+yrs.)	No	A proposed CIP was submitted into the city’s 5-year CIP for recommended funding by the City Council.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BB-12—Mutual Aid. Continue to participate in the San Mateo County Operational Area Emergency Services Organization, the San Mateo County Emergency Managers Association, and the San Mateo County Public Works Mutual Aid Agreement to leverage the city’s ability to respond to emergencies.				
No	Other, please specify	No	Ongoing item. the city did advertise the 6/10/17 countywide Disaster Preparedness Day in its June 2017 monthly publication of the city's newsletter, the "Star".	Ongoing
Initiative BB-14—Sea Level Rise Vulnerability Assessment. Continue participation in the San Mateo County led effort, “Sea Change San Mateo County”, to develop an understanding of future vulnerability.				
No	Long Term (5+yrs.)	No	Staff continues to participate in this study, which recently released a near final draft	Ongoing
Initiative BB-7—Continue to update local building codes with ICB and state building code revisions, and apply these standards to public and private renovation, replacement, and development.				
No	Short Term (<5yrs.)	No	During 4/5/17 local oversight committee meeting, Planning advised that the California Building Code and California Fire Code updates were adopted into the city’s municipal code January 2017.	Complete
Initiative BB-2—Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions within the community.				
No	Other, please specify	No	Local oversight committee met 4/5/17 to discuss. PCD confirms Planning staff will integrate the HMP into the Safety Element or into a holistic overall update of the General Plan, depending on which element/plan is first chosen for update.	Ongoing
Initiative BB-1—Where appropriate, support retrofitting, purchase, or relocation of structures located in high hazard areas and prioritize those structures that have experienced repetitive losses.				
No	Other, please specify	No	Local oversight team met 4/5/17 to discuss. PCD confirmed this is an ongoing action item. No specific action taken this year, the city does not have a history of repetitive losses.	Ongoing
Initiative BB-6—Continue to maintain good standing and compliance under the National Flood Insurance Program (NFIP). This will be accomplished through the implementation of floodplain management programs that will, at a minimum, meet the requirements of the NFIP: • Enforcement of the flood damage prevention ordinance • Participate in floodplain identification and mapping updates • Provide public assistance/information on floodplain requirements and impacts.				
No	Other, please specify	No	Local oversight committee met 4/5/17 to discuss this item. No specific actions other than ongoing public information and cooperation with FEMA was taken.	Ongoing

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Initiative BB-9—NOIs for PDM grants submitted to CalOES for both projects 7/25/17.				
No		No		Ongoing
City of Burlingame				
Initiative BG-1—Continue to educate and provide resources for property owners and developers to retrofit and construct structures that are earthquake resilient.				
No	Long Term (5+yrs.)	No	The Building department adopted the 2016 California Building Standards and continuously educates residential and commercial property owners to retrofit unreinforced masonry buildings.	Ongoing
Initiative BG-6—Create a Citywide asset management database to better assess our risk/vulnerabilities.				
No	Long Term (5+yrs.)	No	The City continues to enter infrastructure assets into our GIS database.	No Progress
Initiative BG-5—Insure early warning system for evacuation of areas susceptible to natural flooding, and tsunami inundation.				
No	Short Term (<5yrs.)	No	Countywide promotion to residents of SMC Alert; program has seen an upsurge of registrants	Complete
Initiative BG-8—Educate and inform the community about emergency preparedness options in the event of a hazard event				
No	Short Term (<5yrs.)	No	Promotion of countywide Disaster Preparedness Day on June 10, 2017 through City's e-newsletter, Central County Fire's social media, Burlingame Neighborhood Network, and Burlingame CERT	Complete
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	City has one (1) repetitive loss property that is prone to flooding. City annually reaches out to the property owner on how to reduce the risk of flooding and damage to the property.	No Progress
Initiative G-4—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	Continuously working with other departments to incorporate the HMP.	Ongoing

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Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-5—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	Whenever there are Federal or State financial incentives available to retrofit buildings, the City offers their assistance with any questions the property owners may have.	No Progress
Initiative G-6— Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Ongoing work and participation in the HMP maintenance program	Ongoing
Initiative G-7—Consider the development and implementation of a Capital Improvements Program (CIP) to increase regulatory, financial, and technical capability to implement mitigation actions.				
No	Long Term (5+yrs.)	No	The City has implemented various CIP to maintain existing infrastructure, such as water, sewer, storm, and street. Traffic, such as street signs, signals, stripping is paid for by general fund and no CIP has been established yet. Some projects are paid for by private development impact fees.	Ongoing
Initiative G-3—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	Public Works department is investigating if this program is feasible. Identifying locations that are accessible and provide good reference points is critical.	No Progress
Initiative BG-3—Develop a map that identifies at-risk areas and properties based on Topography and Geotech Information from new developments.				
No	Other, please specify	No	Public Works has a dedicated GIS staff that is working with other departments to identify and map at-risk areas that can be used for staff and public information. Geotech information is currently being scanned and will be incorporated into a GIS database.	No Progress
Initiative BG-2—Complete all projects outlined in the Storm Drainage Capital Improvement Program				
No	Long Term (5+yrs.)	No	The Storm Drainage CIP is ongoing. There is five plus years of projects in the pipeline to complete.	Ongoing
Initiative BG-4—Participate in programs such as Firesafe, and StormReady				
No	Other, please specify	No	Will be registering shortly.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative BG-7—Provide a reliable fire and domestic water supply that meets long term needs while insuring protection of public health and safety with the implementation of the water shortage contingency plan.				
No	Other, please specify	No	The City contracts with SFPUC for its domestic water. Rates and volumes have been allocated to meet future demands and maximum density build-out.	Ongoing
Initiative BG-10—Encourage property owners, potential buyers, and residents living in floodplains to participate in the Federal Flood Insurance Program.				
No	Other, please specify	No	The City participates in the National Flood Insurance Program that requires property owners designated in the 100-year flood area to purchase flood insurance from FEMA.	Ongoing
Initiative BG-9—Periodically inspect and assess the structural integrity of bridges and culvert crossings connecting the City’s transportation routes. Based on assessment, develop plan to rehabilitate critical deficient structures.				
No	Long Term (5+yrs.)	No	Caltrans provides a list of bridges that are inspected annually. In addition, the City is half-way through a city-wide culvert crossing assessment. Based on the report findings, staff will prioritize projects accordingly.	Ongoing
Initiative G-2—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Long Term (5+yrs.)	No	The City continues to be a member of the National Flood Insurance Program. Membership enables the City to obtain emergency funding in the event of a natural disaster.	Ongoing
City of Daly City				
Initiative DC-3—Adoption of retrofit standards for single-family homes. Whenever a new living space is created at the garage area or basement of an existing “Single Family Residential Building,” wall bracing is required to strengthen the basement walls to resist horizontal loads.				
No	Other, please specify	No	Adoption of retrofit standards for single-family home. With the 2016 Title 24 Code of Regulation, it does provide a criterion for residential retrofit. However, bracing requirements for the basement wall is still required whenever new living space is created at garage or basement of a single family dwelling.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative DC-6—Water distribution coordination between agencies. One specific issue that will be addressed is the future coordination with the Department of Water & Wastewater Resources (DWWR) in training and exercising of alternative water distribution methods including (but not limited to) the use of portable pumps, Hose Tenders, etc.				
No	Other, please specify	No	Because of five year drought conditions, no specific training has taken place with respect to “alternative” water distribution methods. However, existing infrastructure and interconnections have been exercised and used on a limited basis as part of system re-configurations associated with regional water system improvements. Unlikely the City would participate in either of these programs due to lack of General Funds and no alternative funding identified.	No Progress
Initiative G-3—Continue to maintain the minimum National Flood Insurance Program participation requirement for communities with no mapped Special Flood Hazard Area.				
No	Short Term (<5yrs.)	No	Daly City continues to participate in the NFIP and was issued a revised Flood Hazard Determination (FHD) and issued new Flood Insurance Rate Maps (FIRM) prepared by FEMA in February 2017.	Ongoing
Initiative DC-1—Replace or retrofit water retention structures. Following the completion of a seismic study of the City's water system in 2008, the Department of Water & Wastewater Resources completed seismic upgrades to Reservoir 3 and continues to work on a long range seismic improvement program, including completion of other identified seismic upgrades to city reservoirs scheduled over the next five years.				
No	Short Term (<5yrs.)	No	Seismic repairs to Reservoir 3 roof completed. Structure engineering associated with constructing a new interior reservoir within Reservoir 3 underway to address water storage leakage, and the work is expected to be completed by Fall 2017. Seismic engineering on other identified facilities completed by G&E Engineering and will be programmed as part of an updated capital improvement program.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative DC-2—Funding for design/construction of storm drainage projects. The Department of Water & Wastewater Resources is continuing work on a comprehensive plan to identify storm drainage solutions in the Vista Grande Drainage Basin and completed repairs estimated at nearly \$3 million made to strengthen the Fort Funston Sewer Outfall and Force Main. A joint NEPA/CEQA Draft EIR/EIS was publicly released 04/29/16 on the project options associated with the Vista Grande Drainage Basin Improvement Project with comments due 07/01/16. Funding for this anticipated \$100 million improvement project has yet to be secured, and some funding is anticipated to be derived from the North San Mateo County Sanitation District, a subsidiary district of Daly City. It is anticipated that this project will rectify the issues associated with identified severe repetitive loss property located in unincorporated San Mateo County.				
No	Long Term (5+yrs.)	No	Joint NEPA/CEQA on the Vista Grande Drainage Basin Improvement Project completed with response to comments incorporated into the environmental document. Awaiting final action by the Department of Interior in Washington DC to authorize publication of Record of Decision (ROD) to finish environmental review. Original schedule to complete ROD was anticipated in March 2017 but still awaiting that action. Delay has been reported as being centered change of new federal administration. Funding for the anticipated \$100 million improvement yet to be secured but efforts with a consulting team has been secured. Project did apply for and received notification from the Department of Water Resources it is eligible for a \$10 million grant from Proposition 1, Round 1 project funding. Engineering work authorized in April, 2017 by the North San Mateo County Sanitation District to proceed with 90% design expected to be completed by early 2018. Daly City has developer impact fees in place for storm drain improvements to offset the impact of new development and programs and completes capital improvement projects as funds become available.	Ongoing
Initiative DC-4—Plan development for short-term sheltering of residents. Work with Red Cross on the sheltering of residents in the community. Shelter training for P & R staff and CERT members. Develop a formal shelter plan document identifying facilities that can be used, accessibility, showers, number of people that can be housed there, etc.				
No	Short Term (<5yrs.)	No	Working with P & R dept. three facilities have been identified for sheltering that contain showers. More comprehensive information to follow with more in depth review and working with the Red Cross.	Ongoing
Initiative DC-5—Designate a back-up Emergency Operations Center. The current back up EOC requires additional equipment/supplies, including redundant communications to ensure operational readiness if needed.				
No	Short Term (<5yrs.)	No	No progress has been made on this item due to staffing constraints.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Daly City Building Department will look into developing a regulation to strengthen basement walls or soft story retrofitting.	No Progress
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	New developments would be covered under the most current building code and seismic standards.	Ongoing
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	Daly City Building Department will look into developing a regulation to strengthen basement walls or soft story retrofitting.	No Progress
Initiative G-7—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Daly City actively participating with on going maintenance in the annex.	Ongoing
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Completing our annual update for Daly City Aug. 2017, attending Emergency Managers Assoc. meetings and staying up to date on LHMP maintenance protocols.	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as Tree City and StormReady.				
No	Long Term (5+yrs.)	No	Not participating in either of those programs, however, Daly City has started Project Green Space, which is a tree planting and rain garden program. Just finished our first year with a \$25k grant from Cities of Service and the Walmart Foundation. Also just received a second \$25k grant to be spent over the next year. We also have two AmeriCorps VISTAs serving with us for one year to help implement the program. These grants are focused on building resiliency to climate change and natural disasters.	Ongoing
City of East Palo Alto				
Initiative EPA-6—Develop a Soft Story Retrofit Ordinance				
No	Short Term (<5yrs.)	No	Outreach has been done with major landowners. Looking to develop and adopt ordinance by December of 2017.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative EPA-7—Develop database for Unreinforced Masonry -URM				
No	Short Term (<5yrs.)	No	The development of a database for unreinforced masonry is in progress.	Ongoing
Initiative EPA-8—Develop a Concrete Tilt-up Building Seismic Retrofit Ordinance				
No	Short Term (<5yrs.)	No	Outreach has been done with major landowners. Looking to develop and adopt an ordinance by December 2017.	Ongoing
Initiative EPA-3—Ensure Potable water access via Pad D and Gloria Way Wells				
No	Short Term (<5yrs.)	No	The Gloria Way Well is under construction. Pad D development is to be determined.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	The City has adopted seismic and flood resistant construction provisions. The City has done significant work through Code Enforcement with these type of issues.	Ongoing
Initiative G-4—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The City recently adopted seismic and flood resistant construction provisions that were integrated with the hazard mitigation plan.	Ongoing
Initiative G-5—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	The City's recently adopted seismic and flood resistant construction provisions offers incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.	Complete
Initiative G-7—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The City is continuing to participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-3—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	The City is working with its partners from the San Francisquito Creek Joint Powers Authority to continue to improve the monitoring of the water levels. The SFCJPA’s Flood Early Warning System (sfcjpa.org/floodwarning) records the water level in the creek at several locations, which has helped us over the past year to better understand and predict the impact of major storm events on the system and when to issue flood alerts to the communities and emergency responders.	Ongoing
Initiative G-6—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The City continues to support the County-wide initiatives identified in Volume I of the hazard mitigation plan.	Ongoing
Initiative EPA-9—Participate in programs such as Firewise and StormReady.				
No	Other, please specify	No	The City continues to participate in StormReady and is currently working on hosting another Stormwatch class for the public, in conjunction with Palo Alto. Firewise is a Wildland Urban Interface preparedness site, and although East Palo Alto does not have any wildland urban interface, it is still a resource that the Menlo Park Fire District has access to and could utilize.	Complete
Initiative G-2—Maintain good standing under the National Flood Insurance Program and continue participation in CRS by exceeding the minimum NFIP requirements.				
No	Short Term (<5yrs.)	No	The City remains in good standing with the NFIP Program. Staff recently participated in Substantial Improvement/Damage Workshop provided by the California Department of Water Resources. The City is currently participating in the Community Rating System (CRS) program updates. The City will submit its recertification documents on or before August 1, 2018. The City anticipates re-gaining a Class 7 rating in 2018.	Ongoing
Initiative EPA-4—Establish New Water Storage Tanks for Commercial Projects				
No	Long Term (5+yrs.)	No	A study is to be initiated before the calendar year, by the Public Works Director.	Ongoing
Initiative EPA-5—Conduct Storm Drain Improvements				
No	Long Term (5+yrs.)	No	The work is being done in the commercial office space and in at the schools in conjunction with the school district. Retrofit of the O'Connor pump station is in progress.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative EPA-2—Conduct Water main upgrades and improvements				
No	Long Term (5+yrs.)	No	The initial study is complete.	Ongoing
Initiative EPA-1—Partner on the new levee project from San Francisquito Joint Powers Authority				
No	Short Term (<5yrs.)	No	Construction of phase I is nearly complete and phase II is on schedule.	Ongoing
City of Half Moon Bay				
Initiative HMB-7—Continue to sponsor the training and maintenance of the Community Emergency Response Team (CERT).				
No	Short Term (<5yrs.)	No	Continues to work with the Cal Fire and Office of Emergency Services to provide annual CERT training to the residents of Half Moon Bay.	Ongoing
Initiative HMB-1—Rehabilitate the Main Street Bridge over Pilarcitos Creek.				
No	Short Term (<5yrs.)	No	2017: The budget has been approved and is moving towards the design phase. The anticipated completion is 2020.	Ongoing
Initiative HMB-2—Continue to maintain good standing and compliance under the National Flood Insurance Program (NFIP).				
No	Short Term (<5yrs.)	No	2017: The City of Half Moon Bay doesn't have an adequate flood plain mapped. FEMA does not have a flood plain map for the City of Half Moon Bay.	No Progress
Initiative HMB-3—Create sea level rise vulnerability assessments of City's facilities and infrastructure.				
No	Short Term (<5yrs.)	No	Initial sea level rise vulnerability assessment was completed in April 2016. In depth assessment of bluff erosion for the City's segment of the California Coastal Trail completed in 2017.	Ongoing
Initiative HMB-9—Continue to repair and make structural improvements to storm drains, pipelines, and/or channels to enable them to perform to their capacity in handling water flows as part of regular maintenance activities.				
No	Short Term (<5yrs.)	No	2017: Developed long storm drain master plan to schedule Capital Improvement projects where needed.	Ongoing
Initiative HMB-8—Maintain regulations to limit development in areas prone to landslide and erosion. Monitor slopes and hillsides during and after major storms.				
No	Short Term (<5yrs.)	No	The City limits development on steep slopes and requires setbacks from coastal bluffs and watercourses.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative HMB-10—Develop a better understanding of the earthquake hazard through data collection.				
No	Short Term (<5yrs.)	No	The City limits development on steep slopes and requires setbacks from coastal bluffs and watercourses.	No Progress
Initiative HMB-4—Continue to participate in developing and maintaining communications for first responders from cities, counties, special districts, state, and federal agencies.				
No	Short Term (<5yrs.)	No	The City limits development on steep slopes and requires setbacks from coastal bluffs and watercourses.	Ongoing
Initiative HMB-5—Maintain and participate in the San Mateo County’s Standardized Emergency Management System Plan				
No	Short Term (<5yrs.)	No	2017: Renewed agreements with the Office of Emergency Services to educate and staff and the public on Standardized Emergency Management System Plans.	Ongoing
Initiative HMB-6—Participate in general mutual-aid agreements with adjoining jurisdictions for cooperative responses to fires, floods, earthquakes, and other disasters.				
No	Short Term (<5yrs.)	No	2017: On April 18, 2017, The City of Half Moon Bay expressed mutual interest in establishing a plan to encourage building and safety related mutual aid. Section 8630 et seq of the State of California Government Code grants local agencies full power to provide mutual aid pursuant to established agreements.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No		Ongoing
Initiative G-4—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The Draft Safety Element integrates the hazard mitigation plan.	Ongoing
Initiative G-5—Consider the development and implementation of a Capital Improvements Program (CIP) to increase regulatory, financial, and technical capability to implement mitigation actions.				
No	Long Term (5+yrs.)	No	Adopted Yearly. Last one was adopted on June 20, 2017	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting. The program was originally brought to council by the Administrative Services Department, but now will fall under the Community Development Department.				
No	Other, please specify	No	2017: The City of Half Moon Bay is excited to announce its partnership with and support of the Home Energy Renovation Opportunity (HERO) Program. HERO is the nation’s largest residential Property Assessed Clean Energy (PACE) program, combining an innovative financing solution with industry-leading consumer protections to help more homeowners make energy-efficient, water-saving and renewable energy upgrades.	Ongoing
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	2017: Working on and submitting annual maintenance protocols.	Ongoing
Initiative G-3—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	City utilizes the Pilarcitos Creek gauge	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	City participates in Storm Ready, but does not currently participate in Community Rating System or Tree City.	Ongoing
Initiative G-7—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Continue to support the countywide actions identified in Volume I of the hazard mitigation plan.	Ongoing
City of Menlo Park				
Initiative MP-22—Develop an Adaptation to Climate Change Plan and integrate into the Local Hazard Mitigation Plan.				
No	Short Term (<5yrs.)	No	The City has not been able to take any action on this particular measure. The Sustainability Department will be evaluating putting together a Climate Change Plan. No further action at this time.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MP-2—Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions within the community.				
No	Other, please specify	No	The City has not been able to move this initiative forward due to other daily priorities and limited staffing capabilities. The City has addressed the LHMP in their Emergency Operation Plan and General Safety Plan. No ordinances at this time have been developed from the LHMP.	Ongoing
Initiative MP-8—Work with building officials to identify ways to improve the jurisdiction’s BCEGS classification				
No	Short Term (<5yrs.)	No	These efforts are ongoing.	Ongoing
Initiative MP-29—Continue to enforce and/ or comply with the State-mandated requirement that site-specific geologic reports be prepared for development proposals within Alquist-Priolo Earthquake Fault Zones, and restrict the placement of structures for human occupancy.				
No	Long Term (5+yrs.)	No	No action has been taken as of yet.	Ongoing
Initiative MP-30—Update as needed and enforce regulations concerning new construction(and major improvements to existing structures) within flood zones in order to be in compliance with the federal requirements and, thus, be a participant in the National Flood Insurance Program.				
No	Other, please specify	No	The City continues to enforce regulations concerning new construction within flood zones complying with federal requirements. These actions will continue during the building planning phases.	Ongoing
Initiative G-3—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	There has been no progress on this initiative as of yet.	No Progress
Initiative G-5—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	Yes	The City continues to review the Local Hazard Mitigation Plan maintenance protocols and strives to assess its capabilities in achieving many of the tasks outlined in the plan; based on staffing and budget capabilities.	Ongoing
Initiative G-2—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	The City has an emergency flood response annexes that has identified the appropriate response triggers.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-1—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	Yes	While the City has limited staff to oversee the CRS program, it is evaluating the steps necessary to participate in this program. .	Ongoing
Initiative G-4—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	Yes	The City continues to partner with the County on all related hazard reduction, preparedness, and response efforts. These efforts will continue in the future through the efforts of the emergency management program.	Ongoing
Initiative MP-6—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Other, please specify	Yes	The Police Department continues to review the Local Hazard Mitigation Plan maintenance protocols and strives to assess its capabilities in achieving many of the tasks outlined in the plan; based on staffing and budget capabilities.	Ongoing
Initiative MP-10—Develop mitigation controls (continuity of government plans) and ensure force protection measures are in place in relation to vulnerable critical facilities within the City (police stations, fire stations, emergency operation center, City Hall, emergency shelters, etc.)				
No	Other, please specify	No	The City has per-identified critical/ vulnerable facilities within their jurisdiction and line of succession plan can be found within the emergency operation plan.	Ongoing
Initiative MP-14—Develop emergency plans or MOU agreements with neighboring mutual aid providers.				
No	Other, please specify	No	The City continues to promote FERMS- Field Emergency Resource Management System which facilitates our emergency resources sharing capabilities and MOU agreements among neighboring mutual aid providers countywide. The system has been tested and exercised.	Ongoing
Initiative MP-9—Develop a post-disaster recovery plan and debris management plan.				
No	Other, please specify	No	The City has established emergency response guidelines within their emergency operation plan has to how they deal with debris and city recovery efforts. These efforts and operational recovery annexes will continue to be drafted- and amended	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MP-1—Where appropriate, support retro-fitting, purchase or relocation of structures located in high hazard areas and prioritize those structures that have experienced repetitive losses.				
No	Short Term (<5yrs.)	No	They City has not been able to move this initiative forward due to other daily priorities and limited staffing capabilities. No action at this time.	No Progress
Initiative MP-3—Integrate the hazard mitigation plan into other plans and programs that support infrastructure investments, such as the capital improvement program				
No	Other, please specify	No	They City is integrating hazard mitigation planning as part of the Capital Improvement Program.	Ongoing
Initiative MP-4—Develop and implement a program to capture perishable data after significant events (e.g., high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.				
No	Other, please specify	No	They City does have an application for conducting damage assessment following the guidelines of ATC-20 that has the ability to record preliminary damage estimates and photos. The program is called DARS- Damage Assessment Reporting System.	Ongoing
Initiative MP-7—Continue to maintain good standing and compliance under the National Flood Insurance Program (NFIP). This will be accomplished through the implementation of floodplain management programs that will, at a minimum meet the requirements of the NFIP: • Enforcement of the flood damage prevention ordinance • Participate in floodplain identification and mapping updates • Provide public assistance/information on floodplain requirements and impacts				
No	Other, please specify	No	These efforts are ongoing.	Ongoing
Initiative MP-11—Develop a plan for expediting the repair and restoration of water and wastewater systems through stockpiling of shoring materials, temporary pumps, surface pipelines, portable hydrants, and other supplies, such as those available through the Water Agency Response Network (WARN).				
No	Other, please specify	No	The City has not been able to commit staff in developing a specific critical emergency response restoration plan for the jurisdiction. These efforts will continue in the future.	No Progress
Initiative MP-12—Continue to participate in the Public Works Mutual Aid Agreement –San Mateo County in accordance with resource sharing and resource coordination.				
No	Other, please specify	No	The City continues to participate in the Public Works Mutual Aid Agreement and has also piloted a system called FERMS- Field Emergency Resource Management System which helps the locality with resource sharing efforts Countywide.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MP-13—Continue to ensure that critical intersection traffic lights function following loss of power by testing battery back-ups, emergency generators, or lights powered by alternative energy sources such as solar				
No	Other, please specify	Yes	The City has secured a set of solar panels and 12-volt batteries. This solar charging station will be installed at the Corporation Yard to provide fully charged batteries on stand by for lighted crosswalks.	Ongoing
Initiative MP-15—Implement maintenance and storm preparedness plans that include the annual clearing of storm water drains and culverts, drainage ditches, and other waterways, such as the Atherton Channel and San Francisquito Creek, to maintain flood protection.				
No	Other, please specify	No	The City has an update Flood Response Annex which includes the annual clearing of storm water drains and culverts, drainage ditches, and other waterways, such as the Atherton Channel and San Francisquito Creek, to maintain flood protection. The plan also includes activating Community Emergency Response Team and using social media to push the message out to the community.	Ongoing
Initiative MP-16—Continue to coordinate with the City of Redwood City on the Bayfront Canal flood control improvements.				
No	Other, please specify	No	The City has been working with San Mateo County, Redwood City and the Town of Atherton on developing a memorandum of agreement for the design of the Bayfront Canal Bypass Project.	Ongoing
Initiative MP-17—Continue to coordinate with the San Francisquito Creek Joint Powers Authority on San Francisquito Creek and SAFER Bay flood control projects.				
No	Other, please specify	No	The City continues to coordinate with the San Francisquito Creek JPA on the Downstream of 101 and Upstream of 101 flood control projects, as well as the development of the SAFER Bay project.	Ongoing
Initiative MP-18—Continue to coordinate with the California Coastal Conservancy and the U.S. Fish & Wildlife Service on the South Bay Salt Pond Restoration Project.				
No	Other, please specify	No	The coordination work with the California Coastal Conservancy is on-going.	Ongoing
Initiative MP-19—Upgrade the Chrysler Pump Station to improve flood protection in the M-2 Zoning Area.				
No	Short Term (<5yrs.)	No	The design of the Chrysler Pump Station is currently underway. Construction is anticipated for 2018.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MP-20—Develop and implement a Green Infrastructure Plan to improve storm water quality and flood protection.				
No	Short Term (<5yrs.)	No	The City Council approved the Green Infrastructure Work Plan in April of 2017. Based on the Work Plan, staff will begin developing the Green Infrastructure Plan, which will be completed in 2019/2020.	Ongoing
Initiative MP-21—Produce hazards maps that take into account the impacts of flooding due to climate change.				
No	Short Term (<5yrs.)	No	San Mateo County's Office of Sustainability published the draft Sea Level Rise Vulnerability Assessment for San Mateo County earlier this year. The study includes maps for a number of sea level rise scenarios, which includes areas that would be impacted in Menlo Park. Staff will use these maps as to assess the impacts of flooding due to climate change.	Ongoing
Initiative MP-23—Continue to work with San Mateo County on the development of a Sea Level Rise Vulnerability Study and integrate the findings in the Local Hazard Mitigation Plan.				
No	Short Term (<5yrs.)	No	The City has been part of the Technical Review Committee and provided comments on the County's draft Sea Level Rise Vulnerability Assessment. The study will be finalized later this year.	Ongoing
Initiative MP-24—Develop a recycled water feasibility study and adopt a recycled water ordinance for the use of recycled water in the Menlo Park Municipal Water District service area.				
No	Short Term (<5yrs.)	Yes	The City is working with the West Bay Sanitary District on the development of a recycled water feasibility study, which will be completed by the end of this year.	No Progress
Initiative MP-25—Plan, design and build emergency water supply wells to serve residents during times of emergencies that result in a loss of water supply.				
No	Long Term (5+yrs.)	No	The City began construction of its first emergency water supply well this year. Completion of the well is scheduled for 2018.	Ongoing
Initiative MP-26—Update the Seismic Vulnerability Assessment of the City's water distribution system.				
No	Short Term (<5yrs.)	No	The City is in the process of updating the Seismic Vulnerability Assessment of the City's water distribution system. Completion of this study is anticipated for the end of 2017.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MP-27—Plan, design, and build for the undergrounding of utilities in the downtown parking areas.				
No	Long Term (5+yrs.)	No	The City has not been able to make any efforts on this activity. Limited budget and staffing have created challenges.	No Progress
Initiative MP-28—Develop a program for the installation and replacement of emergency generators at critical facilities.				
No	Other, please specify	No	The City installed an emergency generator at City Hall this summer. The City will continue to assess the installation of emergency generators at critical facilities. A replacement plan will be assessed.	Ongoing
Initiative MP-5—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Other, please specify	No	The City continues to partner with the County on all related hazard reduction, preparedness, and response efforts. These efforts will continue in the future through the efforts of the emergency management program.	Ongoing
City of Millbrae				
Initiative MB-3—Tree Trimming Program				
No	Other, please specify	No	Millbrae already allocated minimum funding for citywide tree trimming program; however, additional funding is needed.	No Progress
Initiative MB-5—Construct New Public Works Corporation Yard West of US101				
No	Long Term (5+yrs.)	No	Low priority due to lack of funding and lack of property.	No Progress
Initiative MB-6—Inspect and Retrofit Millbrae Avenue Overpass				
No	Long Term (5+yrs.)	No	Millbrae performed bridge inspection in 2010. Additional inspection will be performed within the next 5 to 10 years.	No Progress
Initiative MB-7—Retrofit, acquire, or relocate the identified SLR property within Millbrae.				
No	Long Term (5+yrs.)	Yes	Millbrae participates in the San Mateo County Sea Level Rise Task Force. Millbrae will participate in regional flood control project.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MB-4—Emergency Evacuation Warning System & Shelter				
No	Short Term (<5yrs.)	Yes	SMCAAlert promoted throughout the community. CERT program with annual exercised to contact residents (Silver Dragon), Telephone Emergency Notification System (TENS) for emergency alerting, provide temporary shelter utilizing school district properties.	Ongoing
Initiative MB-1—Water System Inter-Tie with San Francisco Airport				
No	Short Term (<5yrs.)	No	Millbrae is working with SFO on one water system inter-tie at South MacDonald Road. Project is expected to be completed by end of 2019.	No Progress
Initiative MB-2—Water Storage Tanks Seismic Upgrade/Retrofit/Replacement				
No	Long Term (5+yrs.)	No	Millbrae is proposing to increase water rates to fund water tanks retrofit project. Millbrae is also seeking grant funding from outside agencies for the project.	No Progress
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	Yes	Long term plan to relocate Corp Yard to west of US101 and flood proof the existing building.	No Progress
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	Hazard Mitigation Plan is included in the current and proposed update of the Millbrae General Plan Sec. 8 Hazards & Safety. Building, Engineering, and Fire requirements are addressed as part of the planning review and permit process.	Ongoing
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Long Term (5+yrs.)	No	No progress at this point.	No Progress
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan				
No	Short Term (<5yrs.)	No	Participating in update meetings with SMCO EMA. Review all actions on an annual basis and adding action items as needed.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	Yes	Improve SCADA system at all pump stations for high water level alert and documentation.	No Progress
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	Millbrae is participating in Tree City Program. Millbrae is currently not CRS rated but the City is evaluating the benefits. Millbrae is StormReady with pre-storm preparedness.	No Progress
Initiative G-7— Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Active membership in the SMC0 EMA, active in annual HMP Update, HMP on City of Millbrae website, active CERT program with neighboring agencies, Public Works Mutual Aid Plan.	Ongoing
Initiative G-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	Already complied through Millbrae Municipal Code Title 8 Chapter 8.50, Flood Damage Prevention; Title Chapter 05.010, Flood Resistant Construction.	No Progress
City of Pacifica				
Initiative PA-4—Pacifica seek to encourage and assist in the acquisition of grants for the purchase or relocation of property and structures in high hazard areas to mitigate against damage to vulnerable structures and infrastructure				
No	Short Term (<5yrs.)	No	City of Pacifica purchasing 2 at-risk structures (528, 532 Esplanade) near cliff's edge. Existing land will be converted to recreational use.	Ongoing
Initiative PA-5—Pacifica will pursue opportunities to preserve and protect critical transportation infrastructure to mitigate against isolation, economic loss and ensure public safety.				
No	Short Term (<5yrs.)	No	1. City of Pacifica is working with the US Army Corps of Engineers to finance and construct a rock revetment at the base of the 300 block of Esplanade to reduce further Cliffside erosion and protect roadway and utilities above.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative PA-6—Pacifica will seek to replace/upgrade its seismically-vulnerable facilities to ensure provision of vital services following a hazard event.				
No	Long Term (5+yrs.)	No	City retrofitted seismically vulnerable radio tower serving emergency responders. Other project have yet to be determined.	Ongoing
Initiative PA-7—Pacifica will preserve, protect, or relocate hazard prone infrastructure to maintain critical services and maintain the environment.				
No	Short Term (<5yrs.)	No	1. Police and fire radio antennas removed from tall, unstable tower and placed on shorter mast. Completed 3-31-17 2. Underground piping pipe channeling Milagra Creek from surface to underneath infrastructure repaired and sinkhole adjacent to Fire Station 71 also repaired as part of project.	Complete
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	pursuing funding to purchase two single family homes in the 500 block of Esplanade Avenue, moving them from the face of the cliff to prevent future damage.	Ongoing
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The HMP will be integrated into the City's next General Plan update.	Ongoing
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Long Term (5+yrs.)	No	Project yet to be implemented.	No Progress
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Emergency Management actively works with other City departments to ensure actions are documented. The status of actions in the Pacifica plan is updated annually.	Ongoing
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Short Term (<5yrs.)	No	City is considering the training of CERT members for future recording of high water marks.	No Progress
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	The City participates in the CRS and is also Storm and Tsunami Ready.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-7—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	City participates in Countywide warning and information systems, attends various climate related work groups, actively maintains the HMP, has an active CERT program	Ongoing
Initiative PA-2—Pacifica will be conducting an update of its Emergency Operations Plan to ensure an effective and coordinated response to disasters within the city,				
No	Short Term (<5yrs.)	No	City of Pacifica Emergency Operations Plan (EOP) completed and approved by City Council in May	Complete
Initiative PA-8—Pacifica will develop and deliver business outreach programs to mitigate against the functional loss of community businesses and promote business resiliency.				
No	Short Term (<5yrs.)	No	City of Pacifica, Emergency Preparedness and Safety Commission produces informational material (ie., Tsunami Awareness, Severe Weather Preparation) to distribute to businesses. The Emergency Manager is part of a public and private resiliency group.	Ongoing
Initiative PA-10—Pacifica will continue to do public education outreach to our neighborhoods using the “Map Your Neighborhood” tool to ensure communities can take care of themselves and those who live around them during a disaster event. • Work with the Neighborhood Associations • Utilize CERT members to assist in this outreach • Identify those homes within the neighborhoods that have vulnerable or isolated populations living in them • Utilize Social Media and Emergency Alert Systems to communicate preparedness and emergency messaging				
No	Long Term (5+yrs.)	No	The map Your Neighborhood program continues to grow by using Pacifica CERT members as it's ambassadors in their own neighborhoods. The City holds two basic CERT classes per year and also conducts two public drills within the city. Emergency information is passed to the community through the drills and a variety of social media platforms.	Ongoing
Initiative PA-9—Pacifica will work with contiguous and neighboring utility districts to develop its use of recycled water for irrigation and non-potable uses to reduce reliance on potable water during periods of drought.				
No	Short Term (<5yrs.)	No	At this time, there is not sufficient funding or time for this project.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	The City is nearing completion of its flood damage prevention ordinance, soon to be presented to City Council. The City participates in the National Flood Insurance Program.	Ongoing
City of Redwood City				
Initiative RC-9—Actively participate in the plan maintenance strategy identified in this plan.				
No	Short Term (<5yrs.)	No	Ongoing with all departments, coordinated through DAC (Disaster Advisory Committee)	Ongoing
Initiative RC-11—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	GIS staff are participating in ongoing floodplain mapping updates, and they have made floodplain maps accessible to the public through the City’s public GIS portal.	Ongoing
Initiative RC-2—Conduct disaster-preparedness exercises for the types of hazards discussed in this LHMP with a focus on less-exercised hazards such as landslide and flood response.				
No	Other, please specify	Yes	Multiple emergency preparedness exercises and training opportunities have been provided to city staff.	Ongoing
Initiative RC-3—Develop an awareness level training program for new City staff to address emergencies and to levels appropriate for their hazard mitigation tasks and responsibilities.				
No	Other, please specify	No	This project is ongoing w/city staff existing and new.	Ongoing
Initiative RC-7—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	RWC participated in and contributed to the Sea Level Rise Vulnerability Assessment through the County’s Sea Change San Mateo County program. Sample RWC assets were included in the study.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative RC-13—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	No new or updated plans, programs, or resources were adopted in 2016-17.	Ongoing
Initiative RC-12—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	RWC continues to support the County in their efforts.	Ongoing
Initiative RC-8—Continue to support the countywide actions identified in this plan.				
No	Short Term (<5yrs.)	No	Ongoing support of county wide actions are supported by RWC.	Ongoing
Initiative RC-10—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	RWC has been a Tree City USA member for the past 35 years.	Ongoing
Initiative RC-5—Develop and carry out environmentally sensitive flood reduction programs.				
No	Long Term (5+yrs.)	No	RWC has completed the Eastern Low lying area study and is determining improvements and funding sources for flood reduction improvements. RWC is also taking part in the prjoect implementation of the Bayfront Canal Project lead by the County.	Ongoing
Initiative RC-26—Collect data to better understand the tsunami hazard and its effect on Redwood City.				
No	Short Term (<5yrs.)	No	RWC continues to monitor available data when available.	Ongoing
Initiative RC-4—Examine the City’s existing infrastructure, identify sources of potential funding to upgrade its older facilities, and install new infrastructure to the latest seismic standards under its Seismic Improvement Plan. The seismic vulnerability assessment – Water distribution system assessment has identified key water infrastructure that should be replaced to mitigate the effect of seismic events.				
No	Short Term (<5yrs.)	Yes	RWC is more than half way through with the water infrastructure upgrade. Awaiting additional funding sources.	Ongoing
Initiative RC-18—Conduct engineering study on Fire Station 12 to test seismic stability and other hazard-related structural standards.				
No	Short Term (<5yrs.)	No	A Facilities Condition Assessment Study is under way and will be completed by the end of this this fiscal year.	Ongoing
Initiative RC-19—Implement recommendations provided by Fire Station 12 study.				
No	Long Term (5+yrs.)	No	Study is not yet complete, recommendations are unknown at this time.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative RC-20—Conduct engineering study on Public Works building to test seismic stability and other hazard-related structural standards.				
No	Short Term (<5yrs.)	No	A Facilities Condition Assessment Study is underway and will be completed by the end of this fiscal year.	Ongoing
Initiative RC-21—Implement recommendations provided by Public Works building study.				
No	Long Term (5+yrs.)	No	Study is not yet complete, recommendations are unknown at this time.	No Progress
Initiative RC-22—Determine status of local dams through continued communications with the County.				
No	Short Term (<5yrs.)	No	RWC continues to support the County in their efforts.	Ongoing
Initiative RC-6—Develop a targeted wildfire awareness public information program for property owners in the WUI, including information on managing potential fuel sources on their privately owned property.				
No	Short Term (<5yrs.)	Yes	Project priority changed to low due to no funding allocated at this time.	No Progress
Initiative RC-24—Continue drought public outreach, including the encouragement of water conservation methods during non-drought times.				
No	Other, please specify	No	Continued community outreach by electronic, written and visual communications methods.	Ongoing
Initiative RC-1—Train Redwood City staff directly involved in hazard mitigation process and project implementation to levels appropriate for their hazard mitigation tasks and responsibilities.				
No	Other, please specify	Yes	Priority changed from High to Medium, no funding available at this time.	Ongoing
Initiative RC-23—Establish a vegetation management program that focuses on clearing and maintenance of the hillside.				
No	Short Term (<5yrs.)	Yes	Project priority changed to low, due to lack of funding.	No Progress
Initiative RC-14—Improve the recycled water system as outlined in Phase II.A and Phase II.B Pipeline Alignment Study to alleviate demand on the domestic water system during times of drought.				
No	Long Term (5+yrs.)	No	Phase II.A is complete. Portions Phase II.B are in design and Will be construction in FY17-18	Ongoing
Initiative RC-25—Expand the recycled water system to work towards City-wide coverage.				
No	Long Term (5+yrs.)	No	Ongoing	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative RC-27—Evaluate adequacy of existing levees and make improvements on levees to reduce impacts from flooding and coastal hazards.				
No	Long Term (5+yrs.)	No	RWC is evaluating the levee systems based the current FEMA FIRMs, and will make improvements based on our evaluation.	Ongoing
Initiative RC-16—Upgrade and add sanitary sewer lines in accordance with the 2013 Sewer System Master Plan to add capacity and redundancy, while reducing the risk of major service blockage.				
No	Short Term (<5yrs.)	No	Ongoing. Partial project phase completed of installation of parallel sanitary sewer pipeline under HWY 101	Ongoing
Initiative RC-15—Continue to evaluate the City’s stormwater drainage and pumping system to determine upgrades to mitigate flooding conditions.				
No	Other, please specify	No	Redwood City continues to evaluate the situation and additional ways to improve conditions.	Ongoing
Initiative RC-17—Seek opportunities to improve upon or exceed minimum standards regarding defensible space, where able and appropriate.				
No	Other, please specify	Yes	Priority changed to low due to lack of funding.	No Progress
City of San Bruno				
Initiative SB-25—The City Manager's Office assists with the support and coordination of County-wide initiatives that include: 1) Participation and coordination with County-wide emergency preparedness exercises and drills; 2) Support with planning and building code updates to comply with all applicable state and local building and fire codes; 3) Assist with the formation of local and regional partnerships to support multi-jurisdictional floodplain management (CHECK on this); 4) Support with compliance of the National Pollutant Discharge Elimination System municipal stormwater permit; 5) Participation, support, and encouragement of regional training and mitigation strategies for utilities infrastructure				
No	Other, please specify	Yes	Support and Coordination of County-wide Initiatives	Ongoing
Initiative SB-26—The City Manager's office supports the maintenance protocols outlined in Volume I of the hazard mitigation plan by assisting with coordination and implementation of current updates to the City's hazard mitigation plan annex.				
No	Other, please specify	Yes	Participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-28—Encourage the cooperation of utility system providers and cities, counties, and special districts, and PG&E to develop strong and effective mitigation strategies for infrastructure systems and facilities.				
No	Other, please specify	Yes	Continue to cooperate with utility system providers and regional partners to develop mitigation strategies for infrastructure systems. San Bruno has continued to receive regional training from PG&E including training specifically for San Bruno Fire Department personnel in May 2017. Technology and communication related projects include redundancy with partnering cities on emergency dispatch, and redundancy with CATV system and technology infrastructure in case of emergencies.	Ongoing
Initiative SB-44—Establish a framework and process for pre-event planning for post-event recovery that specifies roles, priorities, and responsibilities of various departments within the local government organization, and that outlines a structure and process for policy-making involving elected officials and appointed advisory committees.				
No	Other, please specify	Yes	Continue to work on process and procedures for pre-event planning and post-event recovery for various departments including a structure and process for elected official and advisory committees. The City has conducted several exercises and emergency preparedness events involving staff from all City departments. The City's Community Preparedness Committee continues to stay involved and active in CERT programs and promotion of emergency preparedness planning and education.	Ongoing
Initiative SB-45—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.				
No	Other, please specify	Yes	The City is beginning to update the Emergency Operations Plan that will include a recovery plan.	Ongoing
Initiative SB-24—Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions within the community.				
No	Other, please specify	No	The City is in the middle of a comprehensive zoning code update, with anticipated adoption in early 2018. The City will integrate the Hazard Mitigation Plan into the zoning code update, taking into account the range of hazards, and appropriate guidelines to mitigate impacts. The City is: requiring additional analysis at locations where structure location takes into consideration slope instability; requiring soils and geotechnical studies when appropriate; and ensure adequate setbacks and adjustment to areas with threat of wildfires.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-31—Coordinate planning for short-term sheltering of residents of the community with the American Red Cross.				
No	Long Term (5+yrs.)	No	The City has identified the needed supplies to operate a 100 person shelter. we are evaluating grant options to fund.	Ongoing
Initiative SB-32—Develop a plan for interim housing for those displaced by a natural hazard.				
No	Long Term (5+yrs.)	No	At this time, the City has not made progress on this item. We continue to work with the operational area and Health and Human Services on a solution	Ongoing
Initiative SB-27—Work with Chief Building Official to obtain a BCEGS classification.				
No	Short Term (<5yrs.)	No	The City has not yet begun this process.	No Progress
Initiative SB-30—Continue requirements in zoning ordinances to address hillside development constraints in areas of steep slopes that are likely to lead to excessive road maintenance or where roads will be difficult to maintain during winter storms due to landsliding.				
No	Other, please specify	Yes	The City is in the middle of a comprehensive zoning code update, with anticipated adoption in early 2018. The City will integrate the Hazard Mitigation Plan into the zoning code update, taking into account the range of hazards, and appropriate guidelines to mitigate impacts. The City is: requiring additional analysis at locations where structure location takes into consideration slope instability; requiring soils and geotechnical studies when appropriate; and ensure adequate setbacks and adjustment to areas with threat of wildfires.	Ongoing
Initiative SB-33—Encourage local government building inspectors to take classes on a periodic basis (such as the FEMA- developed training classes offered by ABAG) on retrofitting of single-family homes				
No	Other, please specify	No	Staff are made aware of training opportunities including FEMA related building seminars offered by ABAG and UASI.	Ongoing
Initiative SB-34—Encourage private retrofit contractors and home inspectors doing work in the City to take retrofit classes on a periodic basis (such as the FEMA- developed training classes offered by ABAG or additional classes that might be offered by the CALBO Training Institute) on retrofitting of single-family homes.				
No	Other, please specify	No	The City will prepare handouts and schedules about upcoming workshops and courses and make them available to the public.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-35—Work to educate building owners, local government staff, engineers, and contractors on privately-owned soft-story retrofit procedures and incentives using materials such as those developed by ABAG				
No	Other, please specify	Yes	The City will place information on the website summarizing procedures to address soft story retrofits and links to resources for further information.	No Progress
Initiative SB-36—Continue to require that all new housing be constructed in compliance with requirements of the most recently adopted version of the California Building Code.				
No	Other, please specify	Yes	The City has adopted and is enforcing the 2016 version of the CA Building Code.	Ongoing
Initiative SB-37—Conduct appropriate employee training and support continued education to ensure enforcement of building codes and construction standards, as well as identification of typical design inadequacies of housing and recommended improvements.				
No	Other, please specify	Yes	The City regularly sends employees to various training opportunities through the ICC, CALBO, etc.	Ongoing
Initiative SB-42—Continue to require the bracing of new water heaters and flexible couplings on gas appliances.				
No	Other, please specify	Yes	The City continues to enforce this requirement, for example by requiring a building permit for new water heaters.	Ongoing
Initiative SB-46—Continue to enforce State-mandated requirements, such as the California Environmental Quality Act, to ensure that mitigation activities for hazards, such as seismic retrofits and vegetation clearance programs for fire threat, are conducted in a way that reduces environmental degradation such as air quality impacts, noise during construction, and loss of sensitive habitats and species, while respecting the community value of historic preservation.				
No	Long Term (5+yrs.)	No	The City routinely enforces CEQA and all state-mandated requirements.	Ongoing
Initiative SB-47—Adopt and enforce land-use policies that reduce sprawl, preserve open space, and create compact, walkable urban communities.				
No	Long Term (5+yrs.)	No	With the passage of the City's Transit Corridors Plan, a transit-oriented higher-density mixed-use plan, the City aims to concentrate all new growth in a way that minimizes sprawl, preserves open space, and creates compact, walkable urban communities. The Transit Corridors Plan complements the General Plan (adopted 2009) and Walk 'n Bike Plan (2016) to promote walkable, mixed-use, compact areas.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-48—Enforce and/or comply with the State-mandated requirement that site-specific geologic reports be prepared for development proposals within Alquist- Priolo Earthquake Fault Zones, and restrict the placement of structures for human occupancy. (This Act is intended to deal with the specific hazard of active faults that extend to the earth’s surface, creating a surface rupture hazard.)				
No	Long Term (5+yrs.)	Yes	The City currently complies with State-mandated requirements for site-specific geologic reports for development proposals within Alquist- Priolo Earthquake Fault Zones, and restrict the placement of structures for human occupancy. The City will ensure that this requirement remains during the zoning code update.	Ongoing
Initiative SB-49—Work to retrofit older downtown areas and redevelopment districts to protect architectural diversity and promote disaster-resistance.				
No	Long Term (5+yrs.)	Yes	The City has not yet found a replacement for redevelopment funding for downtown retrofits, which was taken away in 2012 by the state.	No Progress
Initiative SB-38—Adopt and amend as needed updated versions of the California Building and Fire Codes so that optimal fire-protection standards are used in construction and renovation projects of private buildings.				
No	Other, please specify	Yes	The City of San Bruno has adopted the most current versions of the California Building and Fire Codes.	Ongoing
Initiative SB-39—Consider implementing requirements for fire sprinklers in all new multifamily housing, regardless of distance from a fire station.				
No	Other, please specify	Yes	All new multi-family housing projects are constructed with fire sprinklers designed to the latest NFPA 13 standards.	Complete
Initiative SB-40—Consider implementing requirements for fire sprinklers in all new mixed use development to protect residential uses from fires started in non- residential areas.				
No	Other, please specify	Yes	All new mixed use developments are constructed with fire sprinklers designed to the latest NFPA 13 standards.	Ongoing
Initiative SB-41—Conduct periodic fire-safety inspections of all multi- family buildings, as required by State law.				
No	Other, please specify	Yes	All multi-family buildings (R-2) within the city are inspected annually by fire department resources.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-43—Comply with all applicable building and fire codes, as well as other regulations (such as state requirements for fault, landslide, and liquefaction investigations in particular mapped areas) when constructing or significantly remodeling government-owned facilities.				
No	Other, please specify	Yes	All government-owned facilities that are newly constructed or significantly remodeled are evaluated by both the Fire and Building Departments, and are updated using the most current Fire and Building Code requirements. We have not designed or built any new government facilities during this review.	Ongoing
Initiative SB-23—Abate potential fire hazards through an annual program of vegetation management in right-of-way, easements, and open space				
No	Long Term (5+yrs.)	No	Vegetation in areas of responsibility were abated in June 2017. Will continue to monitor areas throughout year and abate as necessary.	Ongoing
Initiative SB-51—Update the Emergency Operations Plan with integration of the Hazard Mitigation Plan				
No	Short Term (<5yrs.)	No	The city is working with the operational area agencies on an integrated Emergency Operations plan. The Emergency Managers Group has formed a subcommittee and San Bruno is represented on that committee.	Ongoing
Initiative SB-29—Comply with all applicable building and fire codes, as well as other regulations (such as state requirements for fault, landslide, and liquefaction investigations in particular mapped areas) when constructing or significantly remodeling infrastructure facilities.				
No	Other, please specify	Yes	All infrastructure facilities being newly constructed or being significantly remodeled are evaluated through our Community Development Department, and are held to the most current Fire and Building Code requirements.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	The City has not yet identified structures in hazard-prone areas.	No Progress
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	The City is actively participating in Tree City and working towards CRS and Storm Ready.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-54—Ensure adequate supplies and equipment to support to support the community’s needs at emergency shelters.				
No	Short Term (<5yrs.)	No	We are looking at funding sources to purchase supplies. We have recently trained staff on shelter management. We are also working with Red Cross and OES to see what supplies are available.	Ongoing
Initiative SB-18—Seek and implement training for supervisory and management personnel regarding establishing and maintaining a field command post based on ICS principles.				
No	Long Term (5+yrs.)	No	Joint training has been scheduled with the Fire Department to review ICS and Unified Command principles.	Ongoing
Initiative SB-19—Enhance radio communications at critical areas in the city including the mall and the Crossings Complex to ensure officer and public safety.				
No	Long Term (5+yrs.)	No	There is no funding available to address this need at this time.	No Progress
Initiative SB-20—Work to sustain interoperable communications and virtual dispatch capabilities with an allied agency that provides for redundancy and hardening of dispatch center.				
No	Long Term (5+yrs.)	No	This project is complete.	Complete
Initiative SB-21—Take steps to enhance the security of the police station facility to include the repair and replacement of the video system, intercom system, and keyless access system				
No	Short Term (<5yrs.)	No	This project is expected to be completed by August 25, 2017.	Complete
Initiative SB-22—Continue to support community emergency preparedness through delivery of CERT and other resident training and public education outreach through the Community Preparedness Advisory Committee				
No	Short Term (<5yrs.)	No	We continue to provide CERT Training to new members twice a year. We are also beginning to provide continuing training to update residents. This training will be on an annual bases.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-50—Broaden awareness on emergency alerting by educating the public on SMC Alert				
No	Short Term (<5yrs.)	No	Both Police and Fire continue to use SMC Alert to notify residents of emergency situations. We have requested additional training from the San Mateo County OES on uses and new features. We have used public events to promote SMC Alert subscription to residents. Events include Community Day in the Park, Police Day and Night Out. Police and Fire have coordinated outreach for SMC Alert sign ups with two groups, The Community Preparedness Committee and the Citizens Crime Prevention Committee.	Ongoing
Initiative SB-3—Ensure adequate water supply during emergencies and disaster recovery				
No	Other, please specify	No	The City has completed the replacement of a water tank which allowed us to use the entire tank capacity for water supply during emergency. Other tank replacement projects are pending.	Ongoing
Initiative SB-4—Assess City's vulnerability to drought risk and implementation of water conservation measures to improve water supply				
No	Other, please specify	No	Urban Water Management Plan was completed in 2016 which included assessment of water supply and drought risk. The City has implemented guidelines for the community to adhere to water conservation measures during drought to improve water supply.	Complete
Initiative SB-5—Conduct regular maintenance for drainage system and flood control structures				
No	Other, please specify	No	Construction is underway to replace failed section of concrete box culvert within two streets in the City. The City has also budgeted money to perform inspection of storm drain system in FY 17-18 budget to assess the condition. Storm drain system have been cleaned prior to and after storm events.	Ongoing
Initiative SB-6—Rehabilitate the City's stormwater system to reduce local flooding caused by inadequate storm drainage				
No	Long Term (5+yrs.)	No	The City has rehabilitated/replaced certain sections of stormwater system to reduce flooding. Additional funding needs to be secured to replace other stormwater facilities.	Ongoing
Initiative SB-7—Continue to maintain the minimum National Flood Insurance Program participation requirement for communities with no mapped Special Flood Hazard Area.				
No	Short Term (<5yrs.)	No		Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-8—Form partnership between local and regional entities to support multi-jurisdictional floodplain management				
No	Long Term (5+yrs.)	No	City has formed partnership between County of San Mateo and City of South San Francisco to support a multi-jurisdictional project to mitigate flood impact in both Cities of San Bruno and South San Francisco.	Complete
Initiative SB-9—Establish local funding mechanisms for stormwater flood mitigation				
No	Long Term (5+yrs.)	No	The City has yet to determine local funding mechanisms for stormwater flood mitigation.	No Progress
Initiative SB-10—Increase awareness of urban flood risk and safety for property owners				
No	Short Term (<5yrs.)	No	The City has presented at several Council meetings in regards to the proposed flood impacts from FEMA's Coastal Flood Map results to the community. The City is in the process of creating a website to provide information on flood risk.	Ongoing
Initiative SB-11—Assess City's vulnerability to sea level rise				
No	Long Term (5+yrs.)	No	The County completed the Sea Level Rise Vulnerability Assessment for San Mateo County which included the City of San Bruno.	Complete
Initiative SB-12—Mitigate the impacts of sea-level rise in San Bruno				
No	Long Term (5+yrs.)	No	No projects have been programmed to mitigate impacts to sea level rise.	No Progress
Initiative SB-13—Provide sandbags to residents in anticipation of rainstorms and public outreach on locations to obtain the sandbags				
No	Other, please specify	No	Every year, the City provides sandbags to residents during the winter months. The public outreach is done through social media and City's website so residents are aware of the location to obtain the sandbags.	Complete
Initiative SB-14—Comply with applicable performance standards of any National Pollutant Discharge Elimination System municipal stormwater permit that seeks to manage increases in stormwater run-off flows from new development and redevelopment construction projects				
No	Other, please specify	No	The City complies with the NPDES MRP requirements. Every development and redevelopment projects are required to comply with the MRP mandates and City reviews the documents to ensure it meets the requirements.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-14—Comply with applicable performance standards of any National Pollutant Discharge Elimination System municipal stormwater permit that seeks to manage increases in stormwater run-off flows from new development and redevelopment construction projects				
No	Other, please specify	No	The City complies with the NPDES MRP requirements. Every development and redevelopment projects are required to comply with the MRP mandates and City reviews the documents to ensure it meets the requirements.	Complete
Initiative SB-16—Retrofit or replace critical lifeline facilities and/or their backup facilities that are shown to be vulnerable to damage in natural disasters.				
No	Long Term (5+yrs.)	No	The City has replaced a water tank that meets new seismic requirements. Other City infrastructure facilities are being programmed for replacement.	Ongoing
Initiative SB-17—Provide back-up emergency power at critical infrastructure facilities.				
No	Short Term (<5yrs.)	No	This project has yet to be completed. The City has programmed money in FY 17-18 budget to perform feasibility study to provide back-up emergency power critical facilities.	No Progress
City of San Carlos				
Initiative CSC-20—Increase public outreach and education on the dangers of wildland fires on City web site and Social Media. (Facebook, Twitter and Next Door). Information, including a detailed U Tube video produced by the Fire Department, to residents on property maintenance and defensible space and need for residents to maintain their property also posted on City Home page Notification systems for residents, including SMCAAlert and Reverse 911 system available for public information in an emergency.				
No	Other, please specify	No	Information on wildland fires posted on City Web Site,	Ongoing
Initiative G-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	San Carlos Municipal Code in place, covering Flood Damage Prevention and Flood Resistant Construction. Latest update was completed Sept 2012 and approved by Council. Information posted on City Web site.. Federal update Flood Mapping for County in place	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Locations have had problems such as area with landslide issues and now have been corrected eliminating the threat. Continue evaluation of sites throughout the City. City Staff will continue to evaluate existing buildings and recommend appropriate actions based on funding options available.	Ongoing
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	Hazard Mitigation Plan is included in the current and proposed update of the San Carlos General Plan. Building, Engineering, and Fire requirements are addressed as part of the planning review and permit process.	Ongoing
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Short Term (<5yrs.)	Yes	Earthquake hardening on all new residential and commercial construction required and upgrading hardening on remodels at or above certain thresholds (square footage, size of project, etc) Residential fire sprinkler program in place for new construction and remodels meeting certain thresholds. No financial incentives for residential retrofitting funds are available	Ongoing
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Participating in update meetings with SMCO EMA. Review all actions on an annual basis and adding action items as needed to Plan.	Ongoing
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	On going project in the City (new) and funds are in place and available to include SCATA Alarms on all pump stations (including high water notification). Three additional locations have been added to monitoring creek levels.	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Tree City and StormReady.				
No	Long Term (5+yrs.)	No	07/07/17 - Confirmed with Park Director that San Carlos is applying to become a "Tree City, USA". The City meets the financial requirements for the program and funding is available. Application to the "Storm Ready" program is under review but not in progress at this time.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-7—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan				
No	Short Term (<5yrs.)	No	.Active membership in the SMCO EMA, active in annual HMP Update, active CERT program with neighboring agencies (Redwood City), Public Works Mutual Aid Plan	Ongoing
Initiative CSC-8—Train emergency responders, including City employees that support the emergency response.				
No	Long Term (5+yrs.)	No	Law and Fire have regular training but now they are participating in combined exercises (Active Shooter, Haz Mat response. Proposed Public Works training, including various EOP Annexes (Debris Removal, Public Works Mutual Aid) and required Logistical support duties (i.e. Support Evacuation Centers, Water Distribution sites). Proposed training Parks/Rec personnel in Shelter/Evacuation Center (Mass Care) response. he City (Public Works and Recreation Supervisors) takes part in other training opportunities (i.e. Emergency Management Course in June 2017 and Mass Care Table Top). Continue NIMS training of City employees (FEMA requirement) in basic requirements but add supervisor & management training (ICS-200 and 300 & 400).	Ongoing
Initiative CSC-14—Increase communications alternatives.				
No	Long Term (5+yrs.)	No	Grant funding to assist in EOC and Emergency Services upgrades Proposed EOC upgrades may include radios for Law, Fire and Public Works (dependent on funding priorities) , back up phone capabilities (Proposed Analog Phones, Satellite Phone, County Microwave Phone system.) Implement the use of SMCAAlert for communication with City staff and increase SMCAAlert outreach to public. Implementation of local radios use for Parks/Rec personnel Reintroduce Ham Radio capability at both Primary EOC (City Hall) and Alternate EOC (Corp Yard) Increase training with WebEOC (per AAR/IP published 06/01/17 on Winter Storm Series response and implementation of Public Works Mutual Aid agreement). Explore integrating Web EOC into some of the daily operations within the City, to include Public Works and Parks & Rec Dept. EOC Upgrade to include Alternate EOC at Corp Yard	Ongoing
Initiative CSC-15—Purchase NOAA weather radios.				
No	Short Term (<5yrs.)	No	Obtained three new NOAA radios from San Mateo OES personnel. One will be available for both the Primary and Alternate EOC and one available, as needed, in other City facilities.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative CSC-21—Establish/maintain fire response and evacuation routes. Include public education on evacuation routes				
No	Long Term (5+yrs.)	No	Fire Department (Redwood City Fire) developing long term project to identify and map urban interface locations in the City and surrounding County jurisdictions, primarily focusing on residential locations. Planning includes public outreach to the community. Project includes mapping locations, coordinating with City Staff on road closure options, evacuation centers, location of potential Incident Command Posts (ICPs). Includes Public Works involvement to assist with road closure equipment and deployment. Additionally, public outreach prior to the beginning of "fire season".	Ongoing
Initiative CSC-12—Maintain current CRS Rating.				
No	Long Term (5+yrs.)	No	City's current CRS rating is 9 and is being maintained.	Ongoing
Initiative CSC-13—Harden/relocate critical infrastructure in high risk landslide areas.				
No	Long Term (5+yrs.)	No	PW working with FEMA on sites (primarily roads affected by small slides). No critical infrastructure in San Carlos is threatened by potential landslides at this time. Funding is for the project in progress.	Ongoing
Initiative CSC-23—Develop an inventory of soft-story buildings in San Carlos.				
No	Short Term (<5yrs.)	Yes	Project is "Not Funded". Building Dept does not have an inventory of soft story buildings currently. There is a recently enacted ordinance for residential and apartment deck inspection (as a result of recent deck failures) however the City, at this time, has no funds to initiate a "soft story" inventory program. Future study will evaluate the options for the inventory project, including collaboration with neighboring cities in the County.	Ongoing
Initiative CSC-22—Obtain services from an outside consultant to identify FEMA or other hazard mitigation grant opportunities, apply for grants that can be used to fund the City's identified Hazard Mitigation Actions and administer any grants received and subsequent audits.				
No	Other, please specify	No	06/15/2017: Currently pending approval of NOI \$600K matching funds program (City portion \$200K) for fuel load/urban interface work.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative CSC-24—Continue to educate the public on the dangers of pipeline failure				
No	Other, please specify	No	Information on the pipeline event (10/03/2013) is posted on the Home Page of the City Web Page on the "Latest News" banner with a "e notify" link for the citizen questions and input. Since the incident, there have been multiple public meetings to keep the citizens informed and in March 2017, the City settled a lawsuit with PG&E concerning the incident. 06/27/2017 - The City and PG&E hosted a public informational meeting on the pipeline status, including answering questions and response to concerns. A postcard was mailed to the residents in addition to notification on the City's web site. Links on pipeline safety also included on City Web Page and brochures dealing with pipeline issues, citizen actions before and/or after an event, including evacuations are also available at City Hall.	Ongoing
Initiative CSC-5—Develop a Continuity of Operations plan.				
No	Long Term (5+yrs.)	No	Continuity of Operations is covered in the City of San Carlos Emergency Operations Plan, March 2014, under the provisions of the California Emergency Services Act, Article 15, Section 8635 to 8644. Planning for long term COOP continuing to develop more detailed, job specific responsibilities including a detailed Continuity of Operations Plan as an Annex to the City Emergency Plan.	Ongoing
Initiative CSC-9—Maintain drainage system.				
No	Long Term (5+yrs.)	Yes	Funds from Maintenance Budget approved project to increase storm and sewer “capture basins” from 75 to 180 citywide. Program includes, pre-storm cleaning, after storm cleaning and routine maintenance cleaning (three times a year).	Ongoing
Initiative CSC-10—Provide redundancy for critical facilities and infrastructure in flood areas.				
No	Short Term (<5yrs.)	No	Portable generator acquired to provide power to pump stations without emergency power. The trailer mounted generator can be moved to affected location and provide emergency power through connection by means of an electrical transfer switch. Public Works currently accepting bids for electrical transfer switches on all City Critical Facilities, including storm and sewer pump stations, identified City evacuation centers and city buildings where power loss would cause damage (flooding) to facilities.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative CSC-11—Include replacement of critical drainage system elements in Capital Improvement Program.				
No	Short Term (<5yrs.)	No	Program is in the City “Storm Drain Master Plan” with funding from Capital Improvements. Project is ongoing.	Ongoing
Initiative CSC-1—Develop drought contingency plan.				
No	Long Term (5+yrs.)	Yes	Project is on going. The City has developed public outreach, as well as, working to convert systems to low volume water output for landscaping and building codes.	Ongoing
Initiative CSC-2—Implement public outreach plan on importance of water conservation.				
No	Long Term (5+yrs.)	Yes	City Communications Coordinator updates web site and various social media, as well as, post card mailers to citizens regarding current water issues. City's Water Contractor, California Water Service, provides links to water conservation and water usage regulations. On the City's Web site "Water conversation page" are informational links to the city's involvement in "Water Wise" program and the City hosting "Earth Day Event on 03/24/2017.	Ongoing
Initiative CSC-3—Convert spray irrigation to drip irrigation in public areas.				
No	Other, please specify	No	San Carlos has an ongoing program to convert public areas to drip irrigation. Currently all City Parks, median strips, public landscaping and all City Facilities have converted to drip irrigation. Additionally, all new landscaping will have new drip irrigation.	Ongoing
Initiative CSC-4—Develop recycled water option for resident’s irrigation needs.				
No	Long Term (5+yrs.)	No	City developing a “Recycle Water Station” for citizens. Will be at the City Corporation Yard. Project is proceeding but going back to Council for modifications to project. Implementation will be within the year. Project funded by CIP. City provides informational brochures at City Hall and other city facilities on alternative water sources, such as "Rain Barrel" collection for residential landscaping and laundry.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative CSC-6—Provide backup power for critical infrastructure and facilities in earthquake-prone areas. (i.e. utility pump stations without generators).				
No	Short Term (<5yrs.)	No	Currently completing upgrade to the City Hall complex to provide emergency power (generator) to entire building. Additionally, Corporation Yard upgrading emergency power capabilities, including portable generator trailer capable of being moved to City infrastructure (pump stations) in the event of power outage. Additionally, currently out to bid on installation of electrical transfer switches at the Youth Center (identified as one of the primary Evacuation Centers for citizens, the Adult Community Center and eight additional sites in the City that have been identified as Critical Infrastructure locations.	Ongoing
Initiative CSC-7—Warehouse critical infrastructure repair materials				
No	Short Term (<5yrs.)	No	Focus on Earthquake and emergency logistical support for emergency response Public Works has acquired a “Storm Resource Trailer” containing supplies for rapid response in the City or with Public Works Mutual Aid requests. 06/29/17: Supplies currently on order for additional barricades, cones, PPE and other supplies to be staged on a pallet in the Corp Yard for emergency deployment uses, including evacuation routes and mutual aid responses to surrounding cities.	Ongoing
Initiative CSC-16—Equip vital facilities with emergency power sources.				
No	Short Term (<5yrs.)	No	Transfer switches to allow portable generators to be brought in during long term power outages. Critical facilities in the City have been identified as locations for backup electrical power capability. This includes two City facilities identified as Evacuation and/or Shelter sites, main library underground parking garage (sump pumps/flooding) and any other infrastructure location currently without emergency power generator. Emergency generator, mounted on a trailer, now staged at Corporation Yard to be deployed to critical sites without backup generators. Project near completion (currently be tested) on generators at City Hall (site of Primary EOC) and Corporation Yard (site of Alternate EOC).	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative CSC-17—Utilize/maintain San Mateo County Public Works Mutual Aid agreement for assistance.				
No	Long Term (5+yrs.)	No	Public Works Mutual Aid Plan adopted in 2016. City obtained and equipped a "Storm Resource Trailer" stored at City Corporation Yard. Trailer is available to respond to local (City) events as well as being deployed to assist outside agencies who request mutual aid. Researching the intergration of WebEOC in routine Public Works operations to facilitate better communications with Operational Area during Countywide events.	Ongoing
Initiative CSC-18—Implement best management practices on public land to reduce potential fuel loads near homes.				
No	Long Term (5+yrs.)	No	Fire & Parks obtained a Fire Mitigation Grant (\$200K) for two year program to manage fire danger in open areas, including chipping and fire crew brush clearing. 06/15/17: NOI for fuel load maintenance program (matching funds from City)	Ongoing
Initiative CSC-19—Evaluate and remove non-native species of trees that pose an increased risk of an urban interface fire. to				
No	Short Term (<5yrs.)	No	City project to begin soon on the removal of non native trees (Eucalyptus trees) from certain areas within the City, including area West of El Camino Real along San Carlos Ave and Alameda. Project funds are allocated from City budget. July 24 -28: First phase to occur with removal of four eucalyptus trees on San Carlos Ave, between Alameda and Cordileras (Public Notice posted)	Ongoing
City of South San Francisco				
Initiative SSF-11—Construction to the current Emergency Operations Center (EOC) to include a 2nd floor. Improving emergency management and preparedness capabilities as well as continuity of operations and continuity of government caused by any hazard.				
No	Long Term (5+yrs.)	No	Completed Planning/Architecture Phase, now in feasibility phase (City CIP project)	No Progress
Initiative SSF-5—Integrate planning elements of the Hazard Mitigation Plan into the General Plan, Emergency Operations Plan (EOP), Parks Master Plan and Facility Master Plan; conduct ongoing maintenance of these plans (AB2140)				
No	Long Term (5+yrs.)	No	Currently in the revision phase of the Emergency Operations Plan (EOP), and many other plans are underway, the LHMP has been vetted with all other departments and placed onto the City's computer systems for everyone to access	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	The City continues to meet the requirements of NFIP	No Progress
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	Continue to use new, and historic water high water measuring marks and document Add rain gauges when feasible	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Dependent on Funding and if repetitive future loses occur	Ongoing
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	Currently in progress of Revision of City Emergency Operations Plan, New City Civic Center Planning phase (land use), General Plan Revision (planning stage), Capital Improvement Plan (land use, planning, parks, public facilities, economic development, open space, conservation element, health & safety, transportation, housing element	Ongoing
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Short Term (<5yrs.)	No	Ongoing have completed planning stage currently building inventory of types of buildings in the City also when funding becomes available	Ongoing
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Long Term (5+yrs.)	No	Working with County Committee in all stages of HMP, participates in County Disaster Preparedness Day, participates in County, City exercises,	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	involved in Tree City program. Continued Storm Ready training, and Weather Spotter program revised with NWS in 2017,	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-7—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Long Term (5+yrs.)	No	City of SSF works with other City and County committees to support improvement and adoption of items into other plans, participates in preparedness activities, and works on securing funding for projects listed in HMP	No Progress
Initiative SSF-9—Implement Sign Hill wildfire mitigation measures (i.e. removal of dead trees due to drought and disease)				
No	Short Term (<5yrs.)	No	Some tree, brush, grass, removal has occurred but current progress has been stalled due to City Sign Hill Group involvement on negotiations on what trees to be removed and what trees to be replanted And no funding at this time	Ongoing
Initiative SSF-8—Due to building age and condition, construct a new City Center to house the Library, PD Station, Fire Station, and Parks & Rec.				
No	Long Term (5+yrs.)	No	Measure W (Bond) Citizen Committee formed, currently in planning stages working with designers/planners and with environmental agency (supporting Agency's added)	Ongoing
Initiative SSF-7—Conduct an inventory of building types (i.e. soft-story commercial, residential, or industrial structures) for all City-owned and privately owned buildings as a first step to establishing voluntary or mandatory programs for retrofitting these buildings				
No	Long Term (5+yrs.)	No	Working group formed, correcting current data on structures in CRW, from CUPA and updating inventory list of current City owned buildings and starting to build list with building types	Ongoing
Initiative SSF-6—Develop an Oyster Point Landfill Master Plan to mitigate flood damage and reduce or eliminate claims				
No	Long Term (5+yrs.)	No	In design & development stage in coordination with Oyster Point Development Group to also include a Sea Level Rise plan for this area (ongoing and as funding becomes available)	No Progress
Initiative SSF-1—Implement Colma Creek flood control improvement measures by raising flood walls to mitigate overflow along areas of the canal				
No	Long Term (5+yrs.)	No	Due to the City hiring a new PW Director and no flooding of the Colma Creek in the City of SSF no action taken on this	No Progress
Initiative SSF-2—Initiate storm drain improvements with the goal of mitigating flood damage to reduce or eliminate claims				
No	Long Term (5+yrs.)	No	Started Adopt a Storm Drain Program, to help keep storm drains free of litter and debris helping to protect the environment, manage stormwater and minimize flooding	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SSF-10—Retrofit, acquire, or relocate the identified SRL property within SSF.				
No	Long Term (5+yrs.)	No	No Progress/Action taken due to New PW Director being hired whit in the last few months	No Progress
Initiative SSF-4—Identify critical City-owned bridges and roads that are affected by flooding and are in need of seismic retrofitting				
No	Long Term (5+yrs.)	No	Studies, design, completed now in the Bidding phase for construction of a City owned bridge over Navigable Slough/Coma Creek helping preventing possible flooding and seismic retrofitting (updating its current condition	Ongoing
Initiative SSF-3—Construct a tide gate to mitigate flood waters from SF Bay				
No	Long Term (5+yrs.)	No	Currently in the Feasibility Phase,	Ongoing
Colma Fire Protection District				
Initiative CFPD-1—Develop a standing Master Services MOU with the Town of Colma to formalize existing administrative and technical services relationships.				
No	Short Term (<5yrs.)	No	Started Discussions with the town. working on tentative agreements made in meetings with various department members to discuss and formalize existing and future relationships for administrative and technical services.	Ongoing
Initiative CFPD-2—Develop a Continuity of Operations Plan for the District outlining redundancy priorities and a framework for continuation of district services in case of facility loss or other major service disruption.				
No	Short Term (<5yrs.)	No	the Fire District Board of Directors has authorized the Fire Chief to engage a consultant in this action. We are developing the RFP now	Ongoing
Initiative CFPD-3—Conduct an engineering study on requirements for building upgrade an retrofits to provide a recommendation and analysis on the benefit/cost of upgrading/retrofitting current facilities or replacing current facilities.				
No	Short Term (<5yrs.)	Yes	Developing an RFP currently. In discussions with staff it had been determined that an engineering firm is needed. to validate this action and we expect to have a firm engaged by the end of CY 2017.	Ongoing
Initiative CFPD-4—If so recommended by a completed engineering study, retrofit and upgrade current facilities to current seismic standards.				
No	Short Term (<5yrs.)	No	Engineering study has not been done, so there is no action.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative CFPD-5—If so recommended by a completed engineering study, replace current facility complex with a seismically sound, single facility for consolidating, housing, distributing, and dispatching district and state resources for the district service area and northern San Mateo County.				
No		No	as with CFPD-4 the engineering study has not been done yet so there is no action here.	No Progress
Initiative CFPD-6—Develop a mitigation component to the existing district public outreach program including a mitigation supplement for training and an upgraded website.				
No	Long Term (5+yrs.)	No	We have engaged a web designer and have met with our Public safety partners to define our public outreach and develop a transparent and helpful website, this includes CERT and Are You ready education.	Ongoing
Initiative CFPD-7—Replace the current facility permanent generator to ensure continued operations in the event of a power outage.				
No	Short Term (<5yrs.)	No	we have completed the needed work to ensure continued operations in the event of power outage.	Complete
Initiative CFPD-10—Integrate the hazard mitigation plan into other plans, programs, or resources, that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	All land use decisions are made by the Town of Colma and the County . We are cooperators in the Colma Towns LHMP. We are in discussion with County planners for plan integration.	Ongoing
Initiative CFPD-8—Continue to support the countywide actions identified in this plan.				
No	Short Term (<5yrs.)	No	We have been involved at the local and County level to support the actions identified in this plan.	Ongoing
Initiative CFPD-9—Actively participate in the plan maintenance strategy identified in this plan.				
No	Short Term (<5yrs.)	No	We are very active in the plan maintenance. It is discussed regularly at our Fire Board meetings and the Fire Chief has direction to follow up often.	Ongoing
County of San Mateo (Unincorporated Area)				
Initiative SMC-57—Continue to support existing County policy regarding the waving of fees for replacement domestic wells for wells that have failed due to drought conditions.				
No	Other, please specify	No	Waving of fees for replacement domestic wells for wells that have failed due to drought conditions still ongoing by San Mateo County Environmental Health and San Mateo County Planning and Building	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-58—Maintain a variety of crops in rural areas of the region to increase agricultural diversity and crop resiliency.				
No	Other, please specify	No		Ongoing
Initiative SMC-59—Promote and maintain the public-private partnerships dedicated to preventing the introduction of agricultural pests into regionally-significant crops.				
No	Other, please specify	No	Program is ongoing	Ongoing
Initiative SMC-60—Encourage livestock operators to develop an early warning system to detect animals with communicable diseases.				
No	Long Term (5+yrs.)	No	Ongoing	Ongoing
Initiative SMC-27—Continue to develop, maintain, and potentially enhance the County’s classification under the Community Rating System, including use of monitoring equipment, radio base station with community alert and warning systems. This includes rain gages, flood level creek gages and safety signage for flood hazard areas on roadways.				
No	Other, please specify	No	County Building Department continues to maintain the County's CRS classification. County staff is also exploring enhancing the County's current classification. County OES is also exploring a grant opportunity to install more rain and flood level creek gages.	Ongoing
Initiative SMC-62—Utilize the updated Fire Hazard Severity Zone map prepared by the California Division of Forestry and Fire Protection (Cal Fire) to target high priority areas for vegetation management, code inspections, and other fire mitigation activities.				
No	Other, please specify	No	The County and CAL Fire continue to support this mitigation action.	Ongoing
Initiative SMC-63—Carry out a public education program to increase awareness of fire risks and promote implementation of fire safe practices by the owners of new and existing residences in wildland fire areas, such as, but not limited to, vegetation management, fire resistant construction, onsite water storage, adequate access and other fire prevention measures.				
No	Other, please specify	No	This actions is carried out on an annual basis by CAL Fire.	Ongoing
Initiative SMC-64—Adopt a landscape ordinance, utilize landscape plan review, and code to ensure defensible space for structure and infrastructure.				
No	Other, please specify	No	County staff is currently updating its tree regulations that would speak to defensible space for structure and infrastructure.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-24—County staff in conjunction with State Agencies will continue to support vegetation management strategies and programs to address the potential vegetation management needs within the County.				
No	Other, please specify	No	The County is currently updating its tree regulations. These regulations will support defensible space and vegetation management strategies. CAL Fire continues to enforce Fire Code requirements for defensible space and weed/grass removal. County Parks is exploring options for vegetation management programs with County Park facilities.	Ongoing
Initiative SMC-5—Support the ongoing preparedness and training of Community Emergency Responses Teams (CERT) in the unincorporated areas of the County.				
No	Other, please specify	No	County OES continues to support CERT teams in the unincorporated areas of the County.	Ongoing
Initiative SMC-7—Continue to incorporate mitigation principles into local event management during Incident Command Post and Department Operations Center Action Planning.				
No	Other, please specify	No	County OES continues to incorporate mitigation principles into local event management during Incident Command Post and Department Operations Center Action Planning.	Ongoing
Initiative SMC-14—Coordinate preparedness efforts with San Mateo County Sheriff’s Office of Emergency Services, San Mateo County Emergency Management Association and its cities and agencies in the County/Operational Area and the 12 County San Francisco Bay Region.				
No	Other, please specify	No	San Mateo County OES has monthly meetings with other emergency services managers in San Mateo County through the San Mateo County Emergency Management Association. San Mateo County OES continues to maintain preparedness efforts with cities and agencies in the County/Operational Area and the 12 County San Francisco Bay Region.	Ongoing
Initiative SMC-25—Identify and plan for the combined impacts of multiple hazards – for example extreme drought followed by flooding, and effects of these impacts on people, property, and the economy.				
No	Other, please specify	No	County OEs is continuing to work on identifying and planning for the combined impacts of multiple hazards through Action Plans.	Ongoing
Initiative SMC-15—Coordinate with the private sector on prioritization of critical facilities before and during restoration of utility services.				
No	Other, please specify	No	San Mateo County OES continues to coordinate with the private sector on prioritization of critical facilities before and during restoration of utility services. This includes enhancing the role of a private-section liaison within OES.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-21—Support the practice of Unified Command and Management and as applicable, the continued improvements, development and maintenance of interoperable communication systems for first responders from cities, counties, special districts, state, and federal agencies.				
No	Other, please specify	No	County OES continues to train and develop new policy and procedures in Unified Command and Management. County OEs holds a number of training exercises with agencies throughout the County on a yearly basis to enhance all agencies experience with Unified Command practices.	Ongoing
Initiative SMC-9—Include an assessment and associated mapping of the County’s vulnerability to location specific hazards and make appropriate recommendations for the use of these hazard areas in future updates to the County’s General Plan.				
No	Long Term (5+yrs.)	No	As part of the LHMP update, there was an assessment and associated mapping of the County’s vulnerability to location specific hazards along with mitigation actions. This information will inform the County's update of the General Plan Safety Element.	Ongoing
Initiative SMC-10—Identify means to coordinate, collect and store damage assessment data in GIS format for each natural hazard event that causes death, injury and or property damage.				
No	Long Term (5+yrs.)	No	County OES is working on creating a real time map that would show disasters events. This data could be collected and stored for historic preservation. County Public Works is also tracking damage to public infrastructure during disaster events. They are capturing the location of the infrastructure, damage information, and pictures of the infrastructure.	Ongoing
Initiative SMC-8—Update and enhance the GIS data systems and mapping for all hazards and disaster events in the County.				
No	Short Term (<5yrs.)	No	County OES is creating a real time mapping tool that will be utilized in an emergency response setting for both members of County staff and for the public. The map would show hazards and real time responses to the hazards.	Ongoing
Initiative SMC-69—A The Daly City Department of Water & Wastewater Resources is continuing work on a comprehensive plan to identify storm drainage solutions in the Vista Grande Drainage Basin. It is anticipated that this project will rectify flooding issues associated with property located in unincorporated San Mateo County.				
No	Long Term (5+yrs.)	No	No progress	No Progress
Initiative SMC-23—Look into potentially vulnerable public and private utility systems including sanitation/sewer, and fuel pumping stations.				
No	Long Term (5+yrs.)	No	County Department of Public Works has applied for a grant to upgrade two existing flood control pump stations.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-30—Continue the County’s partnership with neighboring jurisdictions to address flooding, sea level rise and other environmental recreational concerns along Colma and San Bruno Creek.				
No	Other, please specify	No	County Department of Public works applied for a grant for upgrades to two pump stations along San Bruno Creek. The County continues to work with neighboring jurisdictions regarding Colma and San Bruno Creek, including supporting the Colma Creek Flood Control Zone Citizen’s Advisory Committee.	Ongoing
Initiative SMC-32—Conduct watershed analysis as necessary to address data needs that will be essential towards the development of drainage solutions in flood vulnerable areas.				
No	Long Term (5+yrs.)	No	County Department of Public Works is currently working on a watershed analysis for the Atherton Watershed as part of an ongoing project related to the Bayfront Canal.	Ongoing
Initiative SMC-29—Continue the County’s partnership with the San Francisquito Creek Joint Powers Authority (JPA) to improve flooding, sea level rise and other environmental recreational concerns along its waterways that lead to the San Francisco Bay.				
No	Other, please specify	No	The County continues to be a partner with the San Francisquito Creek Joint Powers Authority.	Ongoing
Initiative SMC-46—Require upgrade of infrastructure to withstand seismic shaking and differential settlement.				
No	Long Term (5+yrs.)	No	All new development projects will require to meet California Building Standards. The newly created Project Development Unit will continue to explore upgrading existing infrastructure as well.	Ongoing
Initiative SMC-47—Seismically retrofit or replace County and local ramps and bridges that are categorized as structurally deficient by Caltrans, are located in high ground shaking areas, and/or are necessary for first responders to use during and/or immediately after a disaster or emergency.				
No	Long Term (5+yrs.)	No	County Department of Public Works is currently undertaking a inventory of all bridges that are owned by the County. A list of deficient bridges will be created and then repairs to the bridges will be prioritized.	Ongoing
Initiative SMC-36—Develop a “Maintain-a-Drain” campaign encouraging businesses and residents to keep storm drains in their neighborhood free of debris.				
No	Short Term (<5yrs.)	No	No progress	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-38—Conduct analysis and potential levee improvements and flood control projects for, Belmont Creek, Coyote Point area, Pescadero and Butano Creek, and other areas that are subject to repeat flooding events.				
No	Short Term (<5yrs.)	No	County Department of Public Works, in conjunction with the City of Belmont, City of San Carlos, City of Redwood City, and Caltrans, are undertaking a study of the Belmont Creek and possible flood protection enhancements, including mitigating creek overflows and restore the natural habitat that the creek offers. Also, a Federal grant of 1.4 million dollars was awarded to the San Mateo County Resource Conversation District for Butano Creek restoration. This project seeks to restore salmon habitat and reduce flooding in the town of Pescadero.	Ongoing
Initiative SMC-39—The County will work collaboratively with adjoining agencies towards the development of drainage and flooding solutions in the areas of the Bayfront Canal, the Vista Canal, and the Atherton Channel.				
No	Other, please specify	No	The County continues to work collaboratively with adjoining agencies towards the development of drainage and flooding solutions in the areas of the Bayfront Canal, the Vista Canal, and the Atherton Channel. The County is collaborating with Redwood City, Menlo Park, Atherton, Woodside, California Coastal Conservancy, Cargill, and other stakeholders to identify flood management solutions. The concept design proposes rerouting Bayfront Canal (after it converges with Atherton Channel) into the South Bay Salt Pond Restoration Project. This will provide a managed storage area for floodwaters, relieving the adjacent communities from frequent and nuisance flooding. This project is currently in the design phase and has obtained a Prop 84 construction grant of \$1.135 million. The County and its collaborators are working hard to push this project forward and will continue to update the website with more information as it becomes available.	Ongoing
Initiative SMC-43—Reinforce roads/bridges from flooding through protection activities, including elevating the roads/bridges and installing/widening culverts beneath the roads/bridges or upgrading storm drains.				
No	Short Term (<5yrs.)	No	County Department of Public Works is currently applying for a National Oceanic and Atmospheric Administration grant to assist in identifying areas that could be vulnerable to coastal erosion. Public Works is also evaluating solutions for Mirada Rd. and a pedestrian bridge in Miramar. County Parks is also working Public Works to evaluate bridges in County and regional parks that are deficient and need repair and upgrades. County Parks is coordinating with County Public Works on creating a five year permit for maintenance work in County Park facilities.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-44—Continue to repair and make structural improvements to storm drains, pipelines and/or channels to enable them to perform to their design capacity in handling water flows.				
No	Other, please specify	No	A grant application has been submitted to make structural improvements to two flood water pump stations.	Ongoing
Initiative SMC-26—Explore installing additional monitoring equipment to track subsidence, erosion, and sea level change along San Mateo County shoreline.				
No	Short Term (<5yrs.)	No	County staff is exploring efforts at Coyote Point County Park to track the impact of sea level rise and erosion along the beachfront at the park. USGS is also currently undertaking a coastal erosion study of the San Mateo County coast.	Ongoing
Initiative SMC-40—Develop procedures for performing a watershed analysis to look at the impact of development on flooding potential downstream, including communities outside of the jurisdiction of proposed projects.				
No	Long Term (5+yrs.)	No	County Public Works is in the initial stages of a watershed analysis for the Atherton Watershed.	Ongoing
Initiative SMC-33—Determine whether or not wastewater treatment plants are protected from floods, and if not, investigate the use of flood-control berms to not only protect from stream or river flooding, but also increase plant security.				
No	Short Term (<5yrs.)	No	The County unincorporated areas do not have wastewater treatment plants. County DPW does not maintain any wastewater treatment plants.	Discontinue (comment required)
Initiative SMC-11—Integrate the County’s mitigation plan into current Capital Improvement Plans (CIP) to ensure that development does not encroach on known hazard areas.				
No	Other, please specify	No	The County's CIP takes into account know hazard areas.	Ongoing
Initiative SMC-22—Develop and implement a methodology to systematically assess all hazards outlined in this Plan (including, but not limited to sea level rise, seismic risk, flood risk, protective design) and climate impacts in considering building acquisitions and sales, portfolio planning, major retrofits, capital improvement planning, and master planning for County owned and leased facilities.				
No	Long Term (5+yrs.)	No	The Project Development Unit is currently working evaluating retrofits to existing County owned buildings and hazard mitigation measures for new County buildings.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-20—Support efforts of San Mateo County Department Operations Centers to develop specific mitigation actions management by objectives post disaster action planning that includes FEMA’s standard eligible funding categories for emergency protective measures including debris removal, hazardous materials spills/releases, emergency bridge and road repair, flood control, equipment purchase or rental and contractual services.				
No	Other, please specify	No	San Mateo County OES continues to support this effort and mitigation measure.	Ongoing
Initiative SMC-17—Support the San Mateo County Information Services Department in efforts to develop maintain, and enhance, the County’s information technology efforts, including supporting multi-jurisdictional fiber backbone redundancy projects, back-up data centers, and the hardening or relocation of critical communication infrastructure.				
No	Long Term (5+yrs.)	No	No progress	No Progress
Initiative SMC-16—Harden emergency response communications, including, for example, building redundant capacity into Public Safety Answering Points for community alert and warning, replacing or hardening microwave and simulcast systems, adding digital encryption for programmable radios, and ensuring a plug-and-play capability for amateur radio.				
No	Long Term (5+yrs.)	No	Information Services Department is working on upgrading microwave antenna systems in the County currently. In addition, the new Emergency Operations Center will house a new space for Public Safety Communications.	Ongoing
Initiative G-7— Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	County staff has completed LHMP plan maintenance protocols for the reporting year of 2016-2017. As part of the maintenance program, County Planning spoke with all County departments that were involved in the crafting the LHMP. Each mitigation action was reviewed by the lead and support agency and any activity on the action was captured in a written report. This report was then copied over to the mitigation reporting tool.	Ongoing
Initiative G-6— Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	County staff is fully supportive of the County-wide initiative of Volume I of the LHMP. Through the maintenance program of the LHMP, the County is undertaking a number of mitigation actions that support the County-wide initiatives	Ongoing
Initiative SMC-68—Establish an operational area, multi-jurisdiction standing committee for integrating individuals with disabilities, and others with access and functional needs into public information, planning, training, exercise, and response.				
No	Long Term (5+yrs.)	Yes		No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-61—Support efforts to understand ground water use and groundwater basins in San Mateo County.				
No	Short Term (<5yrs.)	No	The County Office of Sustainability and Environmental Health Department identified that there are nine groundwater basins that are either partially or entirely in San Mateo County. The largest basin, the San Mateo Plain Groundwater Sub-basin, lies mostly in San Mateo County and extends, roughly, from Burlingame south to the county border with Santa Clara County, and between the SF Bay shore and the base of the foothills west of SF Bay. The following steps have been taken to study this major sub-basin: • Contractor, Erler & Kalinowski, Inc. was hired to assess the sub-basin, describe various groundwater management strategies, and identify long-term strategies to sustainably manage groundwater through local policies and cooperative relationships. The assessment will result in: o static and dynamic models of water balance and flow through the sub-basin; o an understanding of the interaction with surrounding basins, which include those in Santa Clara and Alameda counties and the Westside basins in northern San Mateo County.; o evaluation of threats to water quality and quantity and recharge areas; o modeling of impacts under future climate and groundwater use conditions; and o an inventory of various governance management options and groundwater-related projects; • Additional efforts are underway to identify and establish monitoring of representative wells in the San Mateo Plain sub-basin to allow the sub-basin to become eligible for various state water-related grants; and The County is tracking changes in the basin’s designation under CASGEM in preparation for potential need for development of a Sustainable Groundwater Management Plan and governing body under SGMA	Ongoing
Initiative SMC-18—Explore and analyze the potential development of community plans for the redevelopment of areas located in the unincorporated areas of the County after a disaster, with a focus on areas that have repetitive losses.				
No	Long Term (5+yrs.)	No	No action	No Progress
Initiative SMC-48—Develop and implement plans to increase the building owner’s general knowledge of and appreciation for the value of seismic upgrading of the building’s structural and nonstructural elements. http://myhazards.caloes.ca.gov/ campaign.				
No	Short Term (<5yrs.)	No	No action by County. State has information regarding seismic upgrading of the building’s structural and nonstructural elements on their website.	No Progress
Initiative SMC-49—Study the feasibility of conducting an inventory of existing or suspected soft-story residential, commercial, and industrial structures.				
No	Short Term (<5yrs.)	No	No action	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-50—Apply and make available updated mapping of seismic hazards from the California Geological Survey’s Seismic Hazards Mapping Program when it becomes available http://myhazards.caloes.ca.gov/ campaign.				
No	Short Term (<5yrs.)	No	County will apply and make available updated mapping when they are created by the California Geological Survey’s Seismic Hazards Mapping Program	Ongoing
Initiative SMC-35—As funding opportunities become available, encourage home and apartment owners to participate in acquisition and relocation programs for areas within floodways and study the potential to develop a revolving fund, issue bonds or other funding mechanisms to support acquisition and relocation from floodways.				
No	Other, please specify	No	Ongoing	Ongoing
Initiative SMC-41—Continue to enforce zoning and building codes to prevent and control construction within the floodplain.				
No	Short Term (<5yrs.)	No	County staff continues to enforce zoning and building codes to prevent and control construction within the floodplain	Ongoing
Initiative SMC-42—Continue to maintain compliance and good standing under the National Flood Insurance Program (NFIP).				
No	Short Term (<5yrs.)	No	The County will continue to maintain compliance and good standing under the National Flood Insurance Program (NFIP).	Ongoing
Initiative SMC-54—Increase efforts to reduce landslides, debris flows, slipouts and erosion in existing and future development by improving appropriate enforcement of codes and use of applicable standards.				
No	Other, please specify	No	Department of Public Works has worked on 25 projects that related to landslides, slip outs, and erosion due to severe weather in 2016-2017. Many of these projects were eligible for Public Assistance funding. County Planning and Building Department continues to enforce erosion control measures during construction to minimize soil loss. The County also enforces a grading moratorium during the rainy season to minimize erosion on private development projects.	No Progress
Initiative SMC-66—Conduct a feasibility assessment for creation a probabilistic Tsunami map for the San Mateo County planning area.				
No	Long Term (5+yrs.)	No	The County has not conducted a feasibility assessment for this project. Cal OES is currently working on updating the Tsunami maps for California as a whole. These maps will be utilized by County staff once they become available. At that time, the County will evaluate if the County should undertake probabilistic Tsunami maps or utilize the maps created by the State.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-67—Support green infrastructure projects that enhance resiliency to natural disasters and incorporate green design elements into hazard mitigation projects where feasible.				
No	Short Term (<5yrs.)	No	County staff recently attended a training regarding green infrastructure projects. For each public project, green infrastructure is reviewed to see if it can be incorporated when feasible.	Ongoing
Initiative SMC-37—Encourage owners of properties in a floodplain to consider purchasing flood insurance. For example, point out that most homeowners' insurance policies do not cover a property for flood damage.				
No	Long Term (5+yrs.)	No	No action	No Progress
Initiative SMC-56—Develop and implement a comprehensive program for watershed maintenance, optimizing forest health with water yield to balance water supply, flooding, fire, and erosion concerns.				
No	Long Term (5+yrs.)	No	The County is undertaking work in the area of green infrastructure that will have an impact on watershed maintenance.	Ongoing
Initiative SMC-34—Ensure that new subdivisions 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 practicable.				
No	Other, please specify	No	The County is conducting a comprehensive update is underway to incorporate changes made to the California Subdivision Map Act and to reflect pertinent case law. In addition, this project is an opportunity to clarify and streamline the regulations and the subdivision process to make them both more user-friendly. This process will also require applicants to clearly identify hazard areas on the site and how the development will mitigate these hazards.	Ongoing
Initiative SMC-45—Support and encourage efforts of other agencies as they plan for and arrange financing for seismic retrofits and other disaster mitigation strategies.				
No	Other, please specify	No	Continue to support and encourage efforts of other agencies as they plan for and arrange financing for seismic retrofits and other disaster mitigation strategies.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-51—Protect and preserve coastline and both new and existing infrastructure through permit review, emphasizing nature-based solutions for Bay and Coastsides adaptation strategies, relying on the guidance in the recently updated Baylands Ecosystem Habitat Goals Report, and evolving science for coastal management options.				
No	Long Term (5+yrs.)	No	Plan Princeton is a study being conducted by San Mateo County to update the land use plan for Princeton. The project will focus on the area west of and including Highway 1, between Pillar Point Harbor and Moss Beach. The purpose of this project is to make a comprehensive update to the policies, plans, and standards regulating the Princeton study area in order to study a number of issues, including identifying and evaluating potential solutions to shoreline erosion problems and protecting and restoring water quality and sensitive habitats. The County is also reviewing possible sand replenishment project on the coastsides as part of coastal management options. The County is also reviewing potential repairs to existing infrastructure along the coast and bayside.	Ongoing
Initiative SMC-52—Protect and preserve coastline and new infrastructure through coastal restoration efforts, emphasizing nature-based solutions for Bay and Coastsides adaptation strategies, relying on the guidance in the recently updated Baylands Ecosystem Habitat Goals Report, and evolving science for coastal management options.				
No	Other, please specify	No	This action was reviewed by County and was determined that it was similar and redundant to Mitigation Action SMC-51. Action SMC-51 was updated to reflect that the policy impacts both new and existing infrastructure. As SMC-51 was updated, SMC-52 should be removed from the LHMP.	Discontinue (comment required)
Initiative SMC-55—Encourage public and private water conservation plans, including consideration of rainwater catchment system.				
No	Other, please specify	No	County staff has support rainwater catchment systems for private property. In addition, on July 15, 2015 California approved revisions to the Model Water Efficient Landscape Ordinance (MWELo), which promotes efficient water use in new and retrofitted landscapes. The County has adopted the State's MWELo and has applied these requirements to development projects that have irrigated landscaping.	Ongoing
Initiative SMC-65—Locate structure or functions outside of tsunami hazard areas whenever possible.				
No	Other, please specify	No	The County continues to enforce polices from the County's General Plan, Zoning Ordinance, Local Coastal Program, Building Code, and other requirements regarding the location of structures in tsunami hazard.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-19—Better inform residents of comprehensive mitigation activities, for all hazards of concern including elevation of appliances above expected flood levels, use of fire-resistant roofing for new roofs and new buildings, defensible space in high wildfire threat and wildland-interface areas, and use of intelligent grading practices through workshops, publications, and media announcements and events.				
No	Other, please specify	No	County staff enforces defensible space requirements and Building and Fire code requirements for structures in the County. CAL Fire and other fire agencies conduct weed abatement programs that remove dead or dangerous vegetation from high fire severity areas. The County is also in the process of updating the County's tree regulations. As part of this update, staff is reviewing defensible space requirements and possible policy enhancements. The County also tracks the number of repetitive loss properties. The County also requires elevation certificates for development in certain FEMA flood zones.	Ongoing
Initiative SMC-31—The County will protect, preserve, and enhance natural features such as wetlands that serve as natural mitigation against the impacts of flooding, climate change and associated sea level rise.				
No	Other, please specify	No	The County continues to implement policies and programs that have been adopted that support SMC-31. The County is also reviewing green infrastructure that will enhance natural features as part of flood control and sea level rise adaptation. The County is also reviewing a project call Flood Control 2.0 is a multi-agency effort funded by the EPA to advance approaches for integrating habitat restoration and flood management at the Bay edge. This new toolbox includes a suite of tools to help land managers develop management approaches for flood control channels and their surrounding landscapes that benefit both people and wildlife over the long-term. The County of Sustainability continues to work on sea level rise studies that will better inform the action as well.	Ongoing
Initiative SMC-28—Update and enhance existing flood hazard mapping to better reflect current conditions and potential sea level rise.				
No	Short Term (<5yrs.)	No	As information becomes available, County staff will update maps to better reflect current flooding conditions and potential sea level rise.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-53—Evaluate the feasibility of relocation, retrofit, or upgrade of existing County facilities to limit the impact of coastal erosion, including the Half Moon Bay Landfill, Mirada Road, and other facilities.				
No	Long Term (5+yrs.)	No	A boulder revetment exists along Mirada Road (from Magellan Avenue to the pedestrian bridge south of Medio Avenue). The boulder revetment was installed to prevent erosion of the embankment and the undermining of Mirada Road by protecting the roadway and adjacent properties from exposure to destructive wave action during high tides and storm events. When the recent storms eroded an unprotected segment of road shoulder and bluff at the pedestrian bridge, the revetment was damaged at the bluff where the erosion occurred. Additionally, high energy waves and coastal conditions have caused boulders to shift from their original location towards the beach, leaving areas along Mirada Road unprotected, resulting in gaps in the revetment and movement of the roadway. The Department has completed the work on emergency revetment repairs by placing additional boulder rip rap. Furthermore, the County is evaluating long term solutions to stabilize and protect the Mirada Road. County Parks is exploring improvements to address sea level rise Coyote Point County Park. Office of Sustainability is working on creating a list of assets that are vulnerable to sea level rise and coastal erosion.	Ongoing
Initiative SMC-3—Identify, retrofit, upgrade, or replace deficient or vulnerable government facilities, such as the Pescadero Fire Station and the San Mateo County Sheriff's Administrative Offices and the County's Emergency Operation Center.				
No	Short Term (<5yrs.)	No	The County is currently constructing a new fire station in La Honda and a new Emergency Operation Center in Redwood City. The County has also applied for several grants, including a grant for upgrades to two existing storm water pumps.	Ongoing
Initiative SMC-12—Coordinate mitigation planning and project efforts within the planning area to leverage all resources available to the planning partnership, including working with existing joint power authorities (JPA) and exploring the possibility of creating new JPAs to facilitate mitigation strategies, policies, and actions.				
No	Other, please specify	No	San Mateo County OES continues to work with the San Mateo Operational Area Emergency Services Organization, a JPA for San Mateo County.	Ongoing
Initiative SMC-13—To the extent possible based on available resources, provide coordination and technical assistance in applications for grant funding that include assistance in benefit versus cost analysis for grant eligible projects.				
No	Other, please specify	No	County OES continues to support FEMA and other hazard mitigation grant applicants.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMC-4—Incorporate consideration of sea level rise into the development review and infrastructure planning processes including response strategies that increase resilience to projected sea level rise risks for both the life of an asset, and for new and existing development.				
No	Long Term (5+yrs.)	No	As part of the Bayfront Channel study that Department of Public Works is undertaking, sea level rise on infrastructure project use for flood protection is being reviewed.	Ongoing
Initiative SMC-2—Leverage the County’s existing communication channels and Board of Supervisor policies across the agencies to educate the public, schools, other jurisdictions, professional associations, and businesses and industry about reducing climate change pollution and how to prepare for inevitable climate changes.				
No	Long Term (5+yrs.)	No	Office of Sustainability has conducted outreach to schools and cities within the County on the topic of climate change and sea level rise. The Office of Sustainability also created a website where members of the public can view information about sea level rise and the potential impact it may have on their community in San Mateo County. There is newsletter that is sent out to interested parties on the subject of sea level rise as well. As part of the educational component for sea level rise, Owls were installed at a park in San Mateo County. The Owl is a digital viewfinder modeled after the coin operated binoculars commonly found at scenic viewpoints. It houses a built-in augmented reality environment that allows people to see the potential impacts and responses to sea level rise in 3D for the very location they are viewing. The Owl project’s visualization and dialogue will be used to generate awareness and spur action related to climate change mitigation and adaptation among county residents, businesses, government representatives, and other stakeholders. The Owl was in place from August 2016 until January 2017.	Ongoing
Initiative SMC-6—Incorporate the Local Hazard Mitigation Plan into the County’s General Plan and update the County’s General Plan Safety Element in response to evolving hazards and mitigation strategies.				
No	Short Term (<5yrs.)	No	County staff will be preparing an update the County’s General Plan Safety Element in the next five years. The LHMP is now incorporated by reference into the General Plan.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	County is working with property owners in La Honda that have homes that are located in a landslide area and have been recently damaged.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-4—Consider the development and implementation of a Capital Improvements Program (CIP) to increase regulatory, financial, and technical capability to implement mitigation actions.				
No	Long Term (5+yrs.)	No	County has a CIP which is updated every five years. It was updated last in 2017. http://cmo.smcgov.org/blog/2017-03-28/county-san-mateo-moving-forward-major-capital-projects The CIP does take into consideration natural hazards and required mitigation actions.	Ongoing
Initiative G-5—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Long Term (5+yrs.)	No	No action at this time.	No Progress
Initiative G-3—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	County is working on supporting a rain gage project to support recording high water mark events and inform residents of potential flood hazards.	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Tree City and StormReady.				
No	Long Term (5+yrs.)	No	The County does participate in StormReady, CRS, Firewise, and Tsunami Ready programs.	Ongoing
Initiative SMC-1—Continue the County’s effort to enhance hazards mitigation planning by updating plans such as Emergency Operations Plan, Continuity of Government Operations, Department Operation Center and Joint Information Center Plans.				
No	Other, please specify	No	San Mateo County is currently working on implementing a Continuity of Government Operations, both agency-wide and department-wide. The Office of Emergency services has also been working on number of updates to Emergency Operations Plans.	Ongoing
Initiative SMC-70—Upgrades to San Mateo County Flood Control Pump Stations Located At Walnut Street and Angus Street in the City of San Bruno				
No	Short Term (<5yrs.)	No	On going. Grant application for project applied for under HMGP.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Countywide				
Initiative CW-4—Continue to leverage/support/enhance ongoing, regional public education and awareness programs (such as “CERT, multi-jurisdiction, etc.”) as a method to educate the public on risk, risk reduction, and community resilience.				
No	Short Term (<5yrs.)	No	Regular promotion by respective jurisdictions of neighborhood, CERT and amateur radio volunteer groups leveraging preparedness programs and awareness that embrace community resilience.	Ongoing
Initiative CW-5—Provide technical support and coordination for available grant funding opportunities to the planning partnership.				
No	Short Term (<5yrs.)	No	Technical support offerings by contractor (Tetra Tech) when considering grant opportunities.	Ongoing
Initiative CW-1—Continue to support the countywide actions identified in this plan.				
No	Short Term (<5yrs.)	No	Regular HMP updates provided at quarterly Emergency Service Council meetings.	Ongoing
Initiative CW-2—Actively participate in the plan maintenance strategy identified in this plan.				
No	Short Term (<5yrs.)	No	OES forwards relevant grant maintenance opportunities to jurisdiction contacts.	Ongoing
Initiative CW-3—Continue to maintain a website that will house the regional hazard mitigation plan, its progress reports and all component of the plan’s maintenance strategy to provide planning partners and public ongoing access to the plan and its implementation.				
No	Short Term (<5yrs.)	No	http://planning.smcgov.org/local-hazard-mitigation-plan - active website on San Mateo County website	Ongoing
Highlands Recreation District				
Initiative HRD-11—Develop continuity of operations plan for District				
No	Short Term (<5yrs.)	No	HRD has an EAP in place and has solicited continuity of operations templates from similar agencies to incorporate best practices into an updated continuity of operations plan. To clarify, HRD does have authority to levy taxes for specific purposes.	Ongoing
Initiative HRD-3—Engage San Mateo County to develop fuel reduction plan for 90 acres of Conservation Easement (not currently governed by District)				
No	Short Term (<5yrs.)	No	District will not consider stewardship of this property unless and until it is offered to the HRD	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative HRD-9—Identify ‘model’ properties showing proper defensible space preparation				
No	Short Term (<5yrs.)	No	HRD has defensible space information available on its website as a community resource. HRD has requested input from residents as models for optimal landscaping and maintenance. CalFire presented defensible space best practices at the 7/25 Highlands Community Association meeting.	Ongoing
Initiative HRD-6—Assess erosion status/ earth movement mitigation steps in District open space				
No	Short Term (<5yrs.)	No	January 2017 slide event occurred, which impacted sewer service provided through sewer dept easement on open space property. Necessary sewer service repairs are planned and will be implemented by sewer dept. The cause of the slide is yet to be determined.	Ongoing
Initiative HRD-1—Description has changed to retrofit existing structure.				
No	Long Term (5+yrs.)	No	Board has now elected to retrofit existing structure. A Tier 1 structural assessment has been completed. Selected seismic retrofit recommendations may be incorporated into planned ADA renovation project. Additional seismic upgrades will then be completed as funding permits.	Ongoing
Initiative HRD-4—Purchase generator to meet District emergency shelter and ongoing operational needs				
No	Short Term (<5yrs.)	No	A generator was purchased in 10/2016 for operational needs. still awaiting information from SMC OES re: MOU and associated shelter generator needs	Ongoing
Initiative HRD-2—Continue annual fuel reduction in District open space (40 acres) – through cal Fire crew work and annual goat grazing				
No	Long Term (5+yrs.)	No	Significant fuel reduction has been completed since 11/1/16. 28 Cal fire crew days addressed 10-15 previously uncleared acres. Clearing is scheduled to continue in the fall of 2017. HRD is awaiting a quote re: goat grazing for future mitigation.	Ongoing
Initiative HRD-5—Construct more stable and water tight storage/ protection for swimming pool operating equipment and chemical storage				
No	Long Term (5+yrs.)	No	A new shed was installed to store the pool dome (during summer season) and pool deck furniture (during winter season).	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative HRD-8—Assess erosion status/ earth movement mitigation in Conservation Easement property – adjacent to 500+ District residences (Land not currently governed by District)				
No	Short Term (<5yrs.)	No	District will not consider stewardship of this property unless and until it is offered to the HRD	Ongoing
Initiative HRD-10—Update Emergency Shelter operational guide/ plan				
No	Short Term (<5yrs.)	No	HRD staff met with SMC OES to review facility. Currently awaiting OES MOU update as 2008 MOU is outdated.	Ongoing
Initiative HRD-7—Assess viability of and possibly implement repairs to ‘Old Fire Road’ in 40-acre open space to allow continuous access for fire fighting				
No	Short Term (<5yrs.)	No	It is not within the scope/ jurisdiction of the HRD to propose such improvements. This would be initiated by San Mateo County DPW, Cal Fire, or SF Water	Discontinue (comment required)
Initiative HRD-12—Work with CERT group to educate and assist residents with disaster preparation –family disaster plan and supplies				
No	Short Term (<5yrs.)	No	in conjunction with HRD, Highlands CERT has provided a CPR certification class, a fire extinguisher refresher event, and will be hosting a free CERT class, currently scheduled for 9/25/17-11/6/17; HRD posted information re: 6/10/17 Disaster prep day on 3 different communication channels to reach neighborhood population (senior network email, Facebook, Nextdoor.com)	Ongoing
Initiative G-1—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	HRD will continue to support County-wide efforts. HRD website contains a link to the current County HMP plan and the District continues to provide relevant educational materials to its residents via print copy and website. The District also continues to support the community's CERT program ongoing education and special events.	Ongoing
Initiative G-2—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	HRD will continue to address its own HMP objectives and will provide updates as required. HRD will also continue to include its HMP objectives in strategic and fiscal planning processes and will confer with HMP Steering Committee as necessary.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Jefferson Union High School District				
Initiative JUHSD-6—Replace existing 30-yr old dilapidated portable classrooms with new instructional facilities.				
No	Short Term (<5yrs.)	No	Replaced old portables with new ones for temporary housing of students. Planning on building new buildings with a bond measure.	Complete
Initiative JUHSD-7—Repair and/or replace existing deteriorating storm drainage ditches at Oceana’s (Milagra Ridge) hillside, along Jefferson’s north perimeter, and Terra Nova’s (Sweeney Ridge) hillside.				
No	Long Term (5+yrs.)	No	No funding has been established for this project as of yet. Action still pending.	Complete
Initiative JUHSD-10—Upgrade existing athletic fields (baseball, softball & soccer) to minimize and reduce student injuries caused by deteriorating field conditions triggered by gopher activities, erosion, and severe weather.				
No	Long Term (5+yrs.)	No	received authorization to use bond funds to complete this. expected to complete within two years.	Complete
Initiative JUHSD-4—Seismic improvements on Jefferson High School’s roof structure and exterior walls.				
No	Short Term (<5yrs.)	No	completed Jefferson H.S. planning on doing Westmoor next, currently in the design phase. will be completed within the next two years.	Complete
Initiative JUHSD-5—Repair the sunken roadway and sidewalk at Westmoor due to severe storms which occurred January, 2016.				
No	Short Term (<5yrs.)	No	No other Action is needed on this project.	Complete
Initiative JUHSD-9—Provide equipment and staff training in support of our emergency response plan (“Big Five”), and community sheltering in preparation of earthquakes, severe weather events, potential wildfires, and other hazards.				
No	Short Term (<5yrs.)	No	Training part of the staff. Training of remainder of the staff will be ongoing.	Complete
Initiative JUHSD-3—Trim and remove Monterey Pine trees at all sites, which are insect & disease infested and have a potential of falling, and have fallen during a severe storm events.				
No	Other, please specify	No	District has spent significant amount of time and money removing diseased and aged trees throughout all of high schools. This is an ongoing challenge and will remain as an action item.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative JUHSD-8—Replace deteriorating emergency generators, which are used for emergency facility lighting and vital electrical circuits.				
No	Long Term (5+yrs.)	No	The new generator has been installed and is scheduled to be tested and turned over to us by the end of August 2017. Once turned over, the old generator will be decommissioned.	Complete
Initiative JUHSD-2—Mitigate landslide adjacent to the Jefferson High School’s Sports Complex, which endangers the access road around the stadium from potentially collapsing and also impacts the Interstate 280 (Junipero Serra Daly City) off ramp. The probable repairs needed are to install a retaining wall. Work to be done in collaboration with the Daly City Public Works Department and the District.				
No	Short Term (<5yrs.)	No	The District is still working with our Risk Management provider in order to determine responsibility of the hillside due to a dispute with the City of Daly City. The District will probably need to get a Design-to-build vendor. No funds at this time to perform work.	Complete
Initiative JUHSD-1—Mitigate potential cause of landslide adjacent to Jefferson High School’s Sports Complex, by installing a curb to reroute the rain water flow. Engineering studies and recommendations are complete at a cost of approximately \$30,000.00. Recommended mitigation for slide is pending.				
No	Short Term (<5yrs.)	No	installed water diversion along hillside. waiting for additional funding to perform an engineering study to perform a permanent fix.	Complete
Initiative JUHSD-11—Repair sunken roadway and sidewalk at Westmoor High School, which occurred in recent December 2015 and January 2016 storms.				
No	Short Term (<5yrs.)	No	Repaired roadway and sidewalk.	Complete
Initiative G-2—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Still supporting the maintenance protocols outlined in Volume 1 of the HMP	Complete
Initiative G-1—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Will continue to support the County-wide initiatives in Vol 1 of the HMP	Complete
Mid-Peninsula Water District				
Initiative MPWD-6—Reinforce and retain slopes on MPWD property to reduce the impact to buildings and critical facilities that could result in loss of water service.				
No	Short Term (<5yrs.)	Yes	On-going visual inspections of retaining walls and slopes around M.P.W.D. properties for potential landslides, erosion.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-2—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Mid-Peninsula Water District actively participates and is supportive through its maintenance efforts and collaboration with county water agencies and annexes. MPWD is also an active participant in the San Mateo County Emergency Managers Association. Updates and or revises mitigation hazards, addresses items for funding.	Ongoing
Initiative G-1—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Mid-Peninsula Water District actively participates in the HMP by attending joint meetings and workshops in reference to the HMP.	Ongoing
Initiative MPWD-4—Research, review and implement measures to strengthen water infrastructure in areas prone to flooding and liquefaction, work with other agencies and utility providers.				
No	Long Term (5+yrs.)	Yes	Working together with professional engineers MPWD came up with a list of infrastructure for replacement of water mains located in our service area prone to liquefaction and flooding. On the C.I.P. is replacement of the Karen Rd. water main and installation of a new water main crossing from the west side of Hwy 101 to the east side in the City of San Carlos. .	Ongoing
Initiative MPWD-2—Seismic retro fit or replace water tanks (reservoirs) to withstand impacts of earthquakes and to meet State and/or Federal requirements.				
No	Long Term (5+yrs.)	No	M.P.W.D. has seismic retrofit of two above ground water tanks (reservoirs) and the replacement of two older water tanks (reservoirs) with new tanks and seismic bracing and or anchors, this work is part of the C.I.P. at M.P.W.D.	Ongoing
Initiative MPWD-5—Continue with Water Conservation Program to promote water saving measures and re-use of water during times of drought and from the effects of global warming				
No	Short Term (<5yrs.)	Yes	M.P.W.D. has hosted several water wise gardening seminars inviting the public to attend and participate, on-going educational materials, public outreach at fairs and schools with a water conservation art contest, appliance/toilet rebate programs, water conservation kit handouts, rain barrel program	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative MPWD-3—Work together with local fire authorities to assess available water and infrastructure for wildfire areas.				
No	Long Term (5+yrs.)	Yes	Work with local fire authorities with actual drills on fire fighting at various locations in M.P.W.D. service area, fire authorities operate hydrants in the areas, any concerns about hydrants are addressed. Provide fire authorities with hydraulic information on our system, flows, pressure etc.	Ongoing
Initiative MPWD-7—Rebuild interties and replace outdated flow meters to improve emergency water supply to neighboring water agencies and support Continuity of Operations Plan				
No	Long Term (5+yrs.)	Yes	Inter-ties being reviewed by Engineers/staff for M.P.W.D., new design and updated meters, has been added to the C.I.P. for M.P.W.D.	Ongoing
Initiative MPWD-1—Vulnerability of critical facilities and infrastructure, assess and address (replacement schedule) through the Capital Improvement Plan. Promote planning and implementation of work coordinating with other agencies.				
No	Long Term (5+yrs.)	Yes	Replacement of M.P.W.D. infrastructure in C.I.P. working together with the City of Belmont to coordinate work between the agencies.	Ongoing
North Coast County Water District				
Initiative G-2—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	North Coast County Water District is actively participating in the plan maintenance protocols outlined in Volume 1 of the HMP.	Ongoing
Initiative G-1— Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	North Coast County Water District continues to support the County-wide initiatives identified in Volume 1 of the HMP.	Ongoing
Initiative NCCWD-8—Re-establishing existing and/or establishing new sources for supplemental potable water.				
No	Long Term (5+yrs.)	No	North Coast County Water District has made no progress to establish new sources for supplemental potable water.	No Progress
Initiative NCCWD-3—Improve and add additional interconnections with neighboring agencies.				
No	Long Term (5+yrs.)	No	North Coast County Water District has not yet scheduled improvements and additional interconnections with neighboring agencies.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative NCCWD-5—Develop and implement a program to capture perishable data after significant events within the District’s GIS program to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	North Coast County Water District's GIS was accepted by the NCCWD Board in 2016; North Coast County Water District hired a consultant and an intern to update and add data in GIS.	Ongoing
Initiative NCCWD-2—Increase existing storage capacity.				
No	Long Term (5+yrs.)	No	North Coast County WD Board-approved water tank for Fiscal Year 2017-2018 will be designed to increase water storage	Ongoing
Initiative NCCWD-1—Seismically Retrofit Water Storage Tanks and storage tank piping connections, including anchoring to foundation and flexible expansion joints to allow for movement.				
No	Other, please specify	No	North Coast County Water District has completed seismic upgrades on newly constructed water tank; North Coast County WD Board has approved budget for Fiscal Year 2017-2018 to tear down and rebuild new tank with seismic upgrades.	Ongoing
Initiative NCCWD-4—Piping upgrades to include strengthening vulnerable piping crossing and running in the close vicinity to known faults as well as improving piping to increase flow capacities.				
No	Other, please specify	No	North Coast County Water District has not yet scheduled piping upgrades to strengthen vulnerable piping crossing and running in close vicinity to known faults, as well as, improvements to piping to increase flow capacities.	No Progress
Initiative NCCWD-6—Integrate the hazard mitigation plan into other plans and programs that support infrastructure investment choices, such as the capital improvement program and the 20 Year Master Plan.				
No	Short Term (<5yrs.)	No	North Coast County Water District Board accepted the 20-Year Long-Term Master Plan in March 2016 and has approved projects in the Fiscal Year 2017-2018 Budget according to CIP recommendations.	Ongoing
Initiative NCCWD-7—Develop a long term plan and execute the plan for the District’s Corporation Yard and offices.				
No	Long Term (5+yrs.)	No	North Coast County Water District Board accepted the 20-Year Long-Term Master Plan that includes CIP project improvements for the District's Corporation Yard and offices in the future.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Pacifica School District				
Initiative PSD-3—Support County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	PSD is available to discuss and participate in county-wide efforts	Ongoing
Initiative PSD-4—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	PSD is in compliance with reporting requirements for its plan maintenance	Ongoing
Initiative PSD-1—Retain consultant to assist PSD with addressing specific vulnerable areas and identifying hazard mitigation measures that can be incorporated in the district’s Capital Improvement Plan and are in congruence with and can be incorporated into hazard mitigation measures adopted by Pacifica school district, City of Pacifica, San Mateo County, and other regional, state, and federal agencies.				
No	Long Term (5+yrs.)	No	PSD is anticipating a construction bond issuance in the latter half of 2018. As part of that bond funds will be allocated to the development of a facilities master plan. Within the scope of the master plan will be the identification and evaluation of hazard mitigation measures that may incorporated into the master plan.	Ongoing
Initiative PSD-2—Develop and implement a program to capture perishable data after significant events (e.g. high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	PSD is investigating options to capture and retain such data	Ongoing
Initiative PSD-5—Develop a post-disaster recovery plan and a debris management plan that is in congruence with the District’s Continuation of Operations Plan to be developed.				
No	Long Term (5+yrs.)	No	PSD is developing a more robust COOP and will incorporate it into its School Safety Plans. The safety plans will also address post-disaster recovery in more specific detail including debris management. This work is ongoing and will continue through the coming year.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
San Mateo County Community College District				
Initiative G-2—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	1) Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan through meeting attendance on Wednesday, March 8, 2017 at the HMP Oversight Committee (FS 36 in Burlingame) by Tom Maloney. 2) Actively participate in the plan maintenance tool webinar for hazard mitigation plan through virtual attendance on Tuesday, April 23, 2017 through Skpe Business Meeting by Tom Maloney.	Ongoing
Initiative G-1—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	1) May 30th, 2017: SMC CCD DPS Tweeted the 2017, 13th annual Disaster Preparedness Day flyer encouraging followers to attend and prepare. Re-tweeted June 6, 2017. Both encouraging a whole community approach. 2) June 6, 2017: SMC CCD DPS posted and shared the 2017, 13th annual Disaster Preparedness Day flyer on their FaceBook page encouraging followers to attend and prepare; a whole community approach. 3) 03AUG2017 - Reviewed with T. Maloney as part of District Emergency Preparedness Transition.	Ongoing
Initiative SMCCD-1—Continue to plan for and increase the frequency of discussions- and operations-based exercises for Emergency Operations Center (EOC) Activations within each college campus and with District Executives to expand capacity and consistency in plans and procedures for emergencies associated with large and complex human-caused events, natural hazards, and technological incidents.				
No	Other, please specify	No	1) Accomplished an operations-based exercise (San Andreas Rumble Drill) for an EOC Activation with District Office personnel, including executive and elected officials on November 2, 2016. 2) Accomplished discussion-based exercises, one in the Fall and one in the Spring semester, relative to Emergency Operations Center (EOC) Activations at each college campus in Academic Year 2016-2017	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMCCD-3—Review and update 2014 versions of Emergency Operations Plan (EOP) for the District and each college campus to ensure consistency in plans for emergencies associated with large and complex human-caused events, natural hazards, and technological incidents.				
No	Short Term (<5yrs.)	No	Efforts to update the 2014 versions of Emergency Operations Plan (EOP) for the District and each college campus have been underway since early 2017. Following March 2017 discussions and Tabletop Exercises, the decision was made to design a two-volume EOP at the next rewrite. The first volume will be composed of the EOP-in-chief; the introduction, purpose, scope, situation overview, and assumptions, concluding with the concept of operations for concise reference. The second volume will be composed entirely of Functional and Hazard-Specific Annexes, Role & Position Checklists, Evacuation Zones Maps and Incident Command Forms. This appears to be a project that will fall to the newly authorized FTE SMCCD Emergency Preparedness Manager Position once hired after July 1, 2017. Prior to that, 2017 Errata Update Information pages to the EOPs in order to chronicle errors, corrections and updates that occur in between formal rewrites of the document. One was submitted for approval for each EOP 6/26/2017.	Ongoing
Initiative SMCCD-5—Review and update, as needed, Conditional Site Use Permit with the Pacific Gas and Electric Company for Emergency Base Camps and Staging Areas.				
No	Other, please specify	No	Annual review of Conditional Site Use Permit with the Pacific Gas and Electric Company for Emergency Base Camps and Staging Areas completed with no update deemed necessary.	Complete
Initiative SMCCD-6—Annually review Memorandum of Understanding (MOU) with the San Mateo County Sheriff’s Area Office of Emergency Services to provide emergency shelters for disaster-displaced community members, emergency medical treatment/inoculations sites, access to KCSM radio, and logistic staging areas for emergency response and recovery efforts.				
No	Other, please specify	No	2017 review of this MOU was completed on 6/28/2017 with no need to update apparent.	Ongoing
Initiative SMCCD-9—Develop a District-wide multi-year Emergency Management-based Training and Exercise Program (TEP) as a living document to be updated, refined, and expanded annually. The multi-year TEP will identify the training and exercises that will help the organization build and sustain the core capabilities needed to address training and exercise program priorities in planning for emergencies in the higher education environment. (Note: Actions SMCCD-1 and SMCCD-10 should integrate into this action).				
No	Long Term (5+yrs.)	No	San Mateo County Community College District, Multi-year Emergency Management Training and Exercise Plan (TEP) composed and authorized for distribution through District Public Safety July 2016 by Bill Woods.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMCCD-11—Develop a District multi-year Hazardous Materials (HAZMAT)-based TEP that will identify the training help the organization build and sustain a culture of safety needed to address priorities in mitigating HAZMAT storage, handling, exposure and spill emergencies in the higher education environment.				
No	Long Term (5+yrs.)	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-13—Continue to evaluate and assess the value of critical infrastructure and assets, with a focus on those assets whose replacement values are currently unknown.				
No	Other, please specify	No	5/23/2017: Voice and e-mails left for Chief of Staff Mitch Bailey for support to evaluate and assess the value of critical infrastructure and assets. 6/28/2017: Reminder e-mail message sent to Mr. Bailey concerning the foregoing.	Ongoing
Initiative SMCCD-18—Conduct an assessment on buildings, infrastructure, and open space on each campus to determine current vulnerability to hazards. Renovate or implement resilience projects to alleviate these concerns, as funding allows.				
No	Other, please specify	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-25—Develop and regularly maintain SMCCD real property/land value estimates. Information maintained should include parcel numbers, physical address/location, acreage, common name, Assessor’s Valuation (Ca. Proposition 13), and Owner’s Valuation.				
No	Other, please specify	No	1) May 23, 2017: E-mail to CW regarding POC for on-going District Property Valuation Updates. Same day response suggested MB (Chief of Staff at DO) as initial POC. An e-mail to MB was sent that same afternoon asking for guidance to whom to task the project for support. Progress on-going.	Ongoing
Initiative SMCCD-4—Review and update 2014 Injury and Illness Prevention Program (IIPP)-based Evacuation Plans, Exterior Assembly Points, and Safety Zones.				
No	Short Term (<5yrs.)	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-15—Enhance emergency notification procedures to consider the campuses’ more vulnerable populations, most notably, international students and students with access and functional needs.				
No	Short Term (<5yrs.)	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMCCD-12—Develop a Continuity of Operations Plan (COOP) for, at a minimum, District-wide health and safety facilities, utilities, operational facilities, hazardous materials facilities and vital economic sustainability infrastructure.				
No	Short Term (<5yrs.)	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-14—Continue to strengthen the relationship between SMCCD, San Mateo County Sheriff’s Area Office of Emergency Services, and the three municipalities where the campuses are housed (unincorporated San Mateo County for Cañada, San Mateo for CSM, and San Bruno for Skyline) and first responder organizations for each campus, to promote an integrated emergency management and planning process, where the local governments consider the unique needs and capabilities of SMCCD and where SMCCD coordinates response plans that are accurate to County/City capabilities. (Note: Action SMCCD-10 should integrate into this action).				
No	Other, please specify	No	6/27/2017: The SMC CCD Board of Trustees approved a FTE Emergency Preparedness Manager Position at their meeting; position to be effective July 1, 2017 and is progress toward this objective.	Ongoing
Initiative SMCCD-16—Review existing non-emergency management/disaster preparedness plans and procedures (e.g., Educational Master Plans, Sustainability Plans, Facilities Master Plans) to integrate hazard mitigation and preparedness, where possible.				
No	Short Term (<5yrs.)	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-17—Encourage the review of planned infrastructure and strategic growth to ensure that new buildings will be developed outside of hazard-prone areas or constructed to be hazard-proof (earthquake resistant, fire resistant, etc.)				
No	Other, please specify	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-19—Encourage a Whole Community approach, including the involvement of relevant academic and administrative departments, with plan revisions, and utilize SMCCD’s unique knowledge sources to enhance data collection.				
No	Other, please specify	No	03AUG2017 - Reviewed Action Item in transition from T. Maloney. Identifying future District Point of Contact for this Action Item. In progress...	Ongoing
Initiative SMCCD-20—ITS and Emergency Response System Upgrades: Upgrade Communications and information technology systems to provide for more resilience, greater redundancy, expanded and faster response time, and integration of systems infrastructure where appropriate. This includes the following: distributed Antenna and Emergency responder system upgrades; EAS coverage and infrastructure upgrades; and UPS system upgrades				
No	Short Term (<5yrs.)	No	Pursuant to 23MAY2017 e-mail from Joe Fullerton, this project is in-progress and continues to be on-going.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMCCD-21—CSM Project: Trees-Fire Mitigation and Safety Project: Removal of eucalyptus trees on and around campus to reduce the likelihood and effect of urban/wild area interface fire issues and adverse impacts from severe weather.				
No	Short Term (<5yrs.)	No	Pursuant to 23MAY2017 e-mail from Joe Fullerton, this project is in-progress and near completion. Pending additional details we will continue this as an on-going effort.	Ongoing
Initiative SMCCD-22—CSM Project: Water Distribution System Analysis and potential upgrade.				
No	Long Term (5+yrs.)	No	Pursuant to 23MAY2017 e-mail from Joe Fullerton, this project is in-progress with the basic analysis and some key actions complete. It will continue to be listed as on-going while grant funding opportunities are explored and pursued.	Ongoing
Initiative SMCCD-23—CSM Project: Integrated Solar and Energy Storage: Installation of 300KW of solar and 300 KW of energy storage with energy management software.				
No	Short Term (<5yrs.)	No	Pursuant to 23MAY2017 e-mail from Joe Fullerton, this project is in-progress, in the planning stages. It will continue to be listed as on-going here, with additional progress details sought.	Ongoing
Initiative SMCCD-24—District-wide Project: Waste Management Services Contract: Provide range of waste management services to operations at all three campuses including hauling for FEMA/CAL OES qualifying events.				
No	Short Term (<5yrs.)	No	Pursuant to 23MAY2017 e-mail from Joe Fullerton, this project is complete. Following an RFP process, the contract was awarded to Recology Peninsula	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SMCCD-2—Review and update 2011 versions of Emergency Procedures (AKA: Waterfall Document) maintained in every room, on the property of the District, and within each college campus to ensure consistency in planned procedures to emergencies associated with large and complex human-caused events, natural hazards, and technological incidents.				
No	Short Term (<5yrs.)	No	1) June 6, 2016: Editable electronic version of Waterfall document requested from CW for editing. Last update and print was January 2011; those final word versions returned from CW that same day. 2) June 24, 2016: JV initial draft of 2016 update revised and forwarded to BW for feedback. Three central components added were: A. Big Five on the first page after the cover. B. Tables with Goals and Objective (to match the EOPs) for certain hazards or circumstances on pp. 7, 9, 10, 14, 16-18 (with a recommend that the tables be inserted on one side of the page, with the existing narrative on the other side). C. The final back cover, still needs artwork for the District and each college (it should be perforated card-stock with the red on the “Help” side and green on the “OK” side). 3) August 10, 2016: Revised draft described above sent to JV for feedback. 4) January 4, 2017: District Safety Meeting Agenda for 1/5/17 meeting reviewed with BW. BW reminded that Waterfall Document Update was submitted to him in June 2016 for approval/feedback. 5) March 7-8, 2017: Meeting and e-mail follow-up to MV regarding HMP Projects including this one including the need for follow-up and a champion.	Ongoing
Initiative SMCCD-7—Review and annually update Facility Use Agreements with the American Red Cross (ARC) to provide space for Public Emergency Shelters and Emergency Evacuation Centers.				
No	Other, please specify	No	2017 review of ARC Facility Use Agreements was completed on 6/28/2017 with no need to update apparent.	Ongoing
Initiative SMCCD-8—Develop and maintain a series of Public Safety Video Program to disseminate information about safety services and emergency preparedness relative to hazards, particularly seasonal hazards, to students, faculty, and staff, and present materials on a regular and a routine basis (e.g., monthly, quarterly, etc.).				
No	Short Term (<5yrs.)	No	6/28/2017: E-mail message sent to Public Safety Director Bill Woods seeking an update on the Public Safety Video Program project.	Ongoing
Initiative SMCCD-10—Develop an Emergency Management Academy in-service Training Program to cultivate an ongoing, cost-effective training initiative for college faculty and staff that is complementary to the required FEMA basic, intermediate, and advanced levels of emergency management training. The SMCCD Training Program will bridge practicum gaps between the theoretical FEMA emergency management subject matter and local application.				
No	Long Term (5+yrs.)	No	03AUG2017 - T. Maloney retained to develop curriculum. On going...	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Town of Atherton				
Initiative G-3—Continue to maintain the minimum National Flood Insurance Program participation requirement for communities with no mapped Special Flood Hazard Area.				
No	Short Term (<5yrs.)	No	The Town continues to maintain the minimum NFIP requirements.	Ongoing
Initiative AT-1—Require preparation of site-specific geologic or geotechnical reports for development and redevelopment proposals in areas subject to earthquake-induced landslides or liquefaction as mandated by the State Seismic Hazard Mapping Act in selected portions of the Bay Area where these maps have been completed, and condition project approval on the incorporation of necessary mitigation measures related to site remediation, structure and foundation design, and/or avoidance.				
No	Other, please specify	No	This is ongoing as per the California Building Code Ch. 18 Section 1803 Geotechnical Soils Reports, and the California Geological Survey and Seismic Hazard Zones Map per Chapter 7, 8, Division 2 of the California Public Resources Code (Seismic Hazards Mapping Act).	Ongoing
Initiative AT-2— Review new development proposals to ensure that they incorporate required and appropriate fire mitigation measures, including adequate provisions for occupant evacuation and access by emergency response personnel and equipment. Develop a clear regulatory framework at the local level to manage the wildland-urban-interface consistent with sustainable community principles.				
No	Other, please specify	No	Reviewed and completed by Menlo Fire Protection District.	Complete
Initiative AT-4—Update the Heritage Tree Ordinance to allow/encourage the removal dangerous trees, such as Eucalyptus trees, along with an educational component.				
No	Short Term (<5yrs.)	No	The Heritage Tree Ordinance is in the process of being updated.	Complete
Initiative AT-10—Develop Continuity of Operations/Continuity of Government plans and ensure force protection measures are in place in relation to vulnerable critical facilities within the Town, such as The Town Civic Center.				
No		No	The Town of Atherton is in the process of evaluating its emergency management procedures. This will be addressed in 2018.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Because no general funds have been allocated to this project, the Town will revisit the project status at a future date.	No Progress

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The Town is in the process of updating its programs and policies to integrate the hazards identified in Volume I of the HMP.	Ongoing
Initiative G-6—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	The Town is currently not offering incentives for this program, but will continue to explore and consider possible incentives in 2018.	No Progress
Initiative G-8—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The Town maintains the protocols outlined in Volume I of the HMP by use of this maintenance tool and by means of Town programs.	Ongoing
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	The Town has chosen not to make this project a priority, but may revisit it at a future date.	Discontinue (comment required)
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	Yes	Due to staff changes and lack of additional resources, the Town will revisit this project next year.	No Progress
Initiative G-7—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The Town continues to support the initiatives that were identified in volume I of the HMP.	Ongoing
Initiative AT-3—Continue maintenance and testing of the Walsh Road Evacuation Siren for local dam breach and/or local fire within the west side of Alameda de las Pugas, in conjunction with the Fire Department and the California Water Service.				
No	Short Term (<5yrs.)	No	In June of 2017, PD and Menlo Fire conducted a test of the Walsh Road Evacuation Siren.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative AT-5—Establish and enforce requirements for new development so that site-specific designs and source-control techniques are used to manage peak stormwater runoff flows and impacts from increased runoff volumes.				
No	Other, please specify	No	Given the low-priority status, and that there has been no new development in the Town, this project is being postponed, to be revisited in 2018.	Ongoing
Initiative AT-8—Establish and enforce provisions under the creek protection, storm water management, and discharge control ordinances designed to control erosion and sedimentation.				
No	Short Term (<5yrs.)	No	Lower Atherton Channel was rebuilt to decrease chances of over-topping in Summer 2016.	Ongoing
Initiative AT-9—Continual yearly clearing of the Atherton Channel, along with current structural integrity improvements along the section of Marsh Road from Middlefield Road to Atherton border beginning June 2016.				
No	Short Term (<5yrs.)	No	The Atherton Public Works department walks and cleans the entire four-mile length of the Atherton Channel (within Atherton) during the month of September on an Annual basis. This includes the section between Middlefield Road and the Atherton border. This was done in late August/early September last year and will begin September 7th of 2017. The structural integrity improvements were completed in August 2016.	Ongoing
Initiative AT-6—Establish and enforce provisions (single family homes) that geotechnical and soil-hazard investigations be conducted and filed to prevent grading from creating unstable slopes, and that any necessary corrective actions be taken prior to development approval.				
No	Other, please specify	No	Due to staffing changes and lack of funding, no progress has been made on this action item.	No Progress
Initiative AT-7—Establish and enforce grading, erosion, and sedimentation ordinances by requiring, under certain conditions, grading permits and plans to control erosion and sedimentation prior to development approval.				
No	Other, please specify	No	This is currently being regulated through our grading and drainage criteria through site detention and retention; additional ordinances are being considered.	Ongoing
Town of Colma				
Initiative C-14—Develop a standing Master Services Agreement with the Colma Fire Protection District to formalize existing administrative and technical services relationships.				
No	Short Term (<5yrs.)	No	Draft of agreement available. Planned for consideration by the City Council in 2018	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative C-6—Identify and equip an alternate EOC location in case of primary EOC disruption or destruction.				
No		No	The current Town Hall is currently under renovation. As part of the renovation, consideration will be given to how the facility can be improved, including the addition of copper land lines and internet for use in the central office area in the event the area needs to be turned into an EOC.	No Progress
Initiative C-7—Develop an outreach campaign for encouraging Colma residents and daily commuters to sign up for reverse 911 notifications on their phones and/or sign up for the San Mateo County Alert System Application.				
No	Short Term (<5yrs.)	No	The Police Department will participate in Countywide outreach campaigns and look for outreach opportunities at National Night Out and at other community events.	No Progress
Initiative C-11—Purchase equipment for use during emergency events, including light towers, smart boards, message boards, loudspeakers, and chainsaws.				
No	Short Term (<5yrs.)	No	Staff will obtain cost estimates in 2017 and plan for purchases as funds allow. Items of interest include a light tower, megaphones and a message board.	Ongoing
Initiative C-1—Develop a full Continuity of Operations (COOP) Plan for Town government.				
No	Short Term (<5yrs.)	No		Ongoing
Initiative C-2—Coordinate and assist in the development of COOP plans for the Town’s cemeteries.				
No	Short Term (<5yrs.)	No	Not started. The Town will pursue these plans after the Town has developed its own COOP to know how the cemeteries fit in.	No Progress
Initiative C-3—Establish a Public Private Partnership program between the Town and the private owners of identified critical facilities, including the Town’s cemeteries and large retailers.				
No	Short Term (<5yrs.)	No	Sample agreement obtained from other jurisdictions and staff will begin outreach in 2018 calendar year. Staff has identified the following businesses to secure agreements: • Target • Home Depot • Home Depot Pro • Ford (gas) • Carmax (gas) • Office Depot • Davey Tree • Costco • BevMo! • Verizon • Chipotle • Dollar Tree • Popeye’s • Veteran’s Village • Cemeteries (equipment)	Ongoing
Initiative C-20—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The Planning Department is in the process of preparing a draft Safety Element that will integrate with the hazard mitigation plan.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative C-4—Develop a Debris Management Plan in coordination with the Town's waste hauler and local land owners				
No	Long Term (5+yrs.)	No	Not started. The Town of Colma has more land available than surrounding jurisdictions, so partnerships with jurisdictional partners is not necessary for Colma, but a partnership may be desired by adjoining jurisdictions. The town would require the assistance of Republic Services to provide additional debris hauling services. A temporary debris staging area could occur at the Town's closed landfill or on vacant cemetery lands.	No Progress
Initiative C-5—Construct sewer bypass piping to provide redundancy and to prevent sewer siphon backup and overflow in emergency.				
No	Short Term (<5yrs.)	No	The first step in designing the system, hydraulic modeling, is currently underway, which will provide information on pipe sizing. Project will then require design of a bypass system. This phase of the project will occur in a future CIP since funding is currently not available for design or improvements.	Ongoing
Initiative C-8—Construct a bypass or overflow siphon to maintain culvert functionality along El Camino Real.				
No	Short Term (<5yrs.)	No	Removed, not feasible. This action item is proposed to be deleted since there is a large stormwater culvert system in El Camino Real, and there is redundancy with Colma Creek and culverted portions of Colma Creek. No further action required.	Discontinue (comment required)
Initiative C-9—Purchase portable generators and coordinate connection upgrades with Cemetery groundwater pumps to acquire groundwater resources and coordinate with the SFPUC concerning access to water resources in case of an emergency.				
No		No	Not started, funding required	No Progress
Initiative C-10—Assist North San Mateo County Sanitation District and the SFPUC on a plan to possibly bring a reclaimed water system to Colma (currently in process).				
No		No	North San Mateo County Sanitation District and the SFPUC are the leads on this action item and are currently preparing a feasibility study.	Ongoing
Initiative C-12—Develop a dangerous tree inventory by purchasing a mobile GPS unit for collecting tree coordinates.				
No	Short Term (<5yrs.)	No	The Public Works Department is currently working on an inventory of trees in the public right-of-way, which includes tree sizes and tagging. This effort is being done without GPS accuracy. After the inventory is created in early 2018, tree conditions can be assessed with the assistance of an arborist.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative C-13—Replace existing landscaping in Lawndale with drought-resistant landscaping.				
No	Short Term (<5yrs.)	Yes	Not started due to costs and lack of a funding source. Project is generally a lower priority since grass has just been permitted to die as an interim measure and to conserve water.	No Progress
Initiative C-15—Continue to maintain the minimum National Flood Insurance Program participation requirement for communities with no mapped Special Flood Hazard Area.				
No	Short Term (<5yrs.)	No	The Town maintains, and will continue to maintain, the minimum coverage required per NFIP requirements and guidelines.	Ongoing
Initiative C-16—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	At this time, the Town has not identified any structures which are in hazard prone areas (not including the general hazard for the town of earthquake). The Town supports seismic retrofitting.	Ongoing
Initiative C-17—Continue to support the countywide actions identified in this plan.				
No	Short Term (<5yrs.)	No	The Town is committed to support countywide actions when asked to do so. The Town will provide annual reporting through the BATool. The Town will continue to support countywide actions through its involvement with San Mateo County OES and the consortium of cities that participated in the countywide HMP.	Ongoing
Initiative C-18—Actively participate in the plan maintenance strategy identified in this plan.				
No	Short Term (<5yrs.)	No	The Town will continue to participate in the plan maintenance strategy through its involvement with San Mateo County OES and the consortium of cities that participated in the countywide HMP.	Ongoing
Initiative C-19—Consider participation in incentive-based programs such as Tree City and StormReady.				
No	Long Term (5+yrs.)	No	Information on these two programs has been obtained and will be considered in the future.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative C-21—The Town of Colma Public Works Department should participate in a County-wide mutual aid agreement for public works assistance in the event of a local emergency.				
No		No	Completed. City Council passed resolution of support to participate in a county-wide public works mutual aid agreement on July 15, 2015.	Complete
Initiative C-22—The Town of Colma should participate in a County-wide mutual aid agreement for building inspection in the event of a local emergency				
No		No	Completed. City Council passed resolution of support to participate in a county-wide building inspection mutual aid agreement at June 21, 2017 City Council meeting.	Complete
Town of Hillsborough				
Initiative HLS-6—Continue to sponsor the training and maintenance of CERT Program with residents				
No	Short Term (<5yrs.)	No	Central County Fire Dept. actively works with CERT and Hillsborough Neighborhood Network in support of emergency preparedness for the Town's residents.	Ongoing
Initiative HLS-10—Maintain and monitor Wildland Urban Fire Interface				
No	Short Term (<5yrs.)	No	Ongoing monitoring and maintenance by residents, town officials, and fire department staff.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	The Town is currently updating the 20 year facility master plan which will provides a prioritization and scope and estimated budgeting which will allow the Town to plan and budget for specific projects. The master plan was last updated in 2015 and is anticipated to be updated by end of FY 17/18.	Ongoing
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The Town has incorporated the Wildland Urban Interface (WUI) and National Flood Maps into the Town's GIS database which allows the Town to compare and mitigate hazards during development of plans and programs. One example of such a plan is the Town's Open Space Wildfire Mitigation Project, which was initially funded with FEMA and CALEMA grant monies, but is being funded by Town general fund for ongoing annual maintenance. The Town will further integrate the hazard mitigation plan into other plans and programs as budget, time and resources allow.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-6—Consider the development and implementation of a Capital Improvements Program (CIP) to increase regulatory, financial, and technical capability to implement mitigation actions.				
No	Long Term (5+yrs.)	No	The Town has developed 20 year master plans for sanitation sewer, storm water and facilities; and a 30 year plan for potable water. The master plans includes maintaining and improving regulatory, financial and technical capabilities.	Ongoing
Initiative G-7—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Short Term (<5yrs.)	No	The Town hosts Hillsborough Neighborhood Network (HNN) quarterly coordination meetings to introduce and discuss retrofitting residential structures and funding sources for earthquake retrofits; wildfire defensible space; flooding; liquefaction/slides; and other structural and non-structural risks. The Town typically hosts three events per year. The non-profits that are invited discuss potential funding and grant programs for mitigation.	Ongoing
Initiative G-9—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Regular participation in plan maintenance protocols as identified in Volume 1	Ongoing
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	The Town works with the SFPUC to manage and maintain and record water flows in the San Mateo Creek System. The SFPUC records high water volumes and velocities and shares that information via a member website. FEMA provides the Town with high water elevations (aka, 100 year storm events) for said waterways.	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	The Town's resources include ABAG and San Mateo County Stormwater Prevention Program. The Town's Building and the Central County Fire Department participate approximately every three years in ISO effectiveness grading schedule. The Town intends to participate in programs such as the Community Rating System, Tree City, and StormReady as budget and staffing resources allow.	Ongoing
Initiative G-8—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Actively participate in the HMP maintenance program	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative HLS-7—Update GIS Mapping Storage and Accessibility				
No	Short Term (<5yrs.)	No	The Town has put significant resources into updating and improving its GIS mapping and storage capabilities. It regularly surveys and maps public utilities and provides public hazard mitigation maps. The Town also recently created and hired for a new GIS Technician position to better maintain and manage its GIS database. The Town also maintains a Computerized Maintenance Management System (CMMS) and Community Development Software which field employees use to verify and correct public utility and other asset locations. The GIS database is available to all Town staff via a intranet portal. Portions of the GIS data is also available to the public on an outward facing public portal. The Town will continue to improve its system and data as time and budget permit.	Ongoing
Initiative HLS-9—Integrate updated hazard mitigation plan into plans, ordinances, and codes				
No	Short Term (<5yrs.)	No	The Town follows the international building code cycle and follow a 3 year updating program to updated hazard mitigation plan into plans, ordinances, and codes.	Ongoing
Initiative HLS-3—Retrofit of historic buildings (old fire and police station) – wood and stucco construction				
No	Long Term (5+yrs.)	No	The Town has a 20 year facility master plan which includes the improvement, updating and retrofitting of historic buildings, including the old fire and police station. The Town recently completed the interior HVAC and some structural retrofitting of the police station. The Town also made structural improvements to the Town's Public Works Corporation Yard over the past five years, which included improvements for DOC operations. The Town recently completed upgrades of Public Works computer server rooms.	Ongoing
Initiative HLS-4—Develop Water Conservation Plan Outreach & Education				
No	Short Term (<5yrs.)	No	The Town adopts an Urban Water Management Plan every five years, which includes a Water Conservation and Drought Mitigation Plan, components of which include Outreach & Education. Drought events can have significant impacts on the Town, since water use and revenue increases while the need to do conservation outreach and education increases. The Town recently adopted water rates that include an as needed drought surcharge for adoption by City Council during drought emergencies.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative HLS-8—Conduct sod removal / turf replacement plan through BASCWA				
No	Long Term (5+yrs.)	No	The Town has budgeted for and participates in BAWSCA's sod removal / turf replacement program. This is a voluntary, ongoing annual program.	Ongoing
Initiative HLS-11—Conduct Street improvements and mitigation measures from flood waters and landslides				
No	Short Term (<5yrs.)	No	The Town developed a 20 year stormwater master plan in 2015 which now provides annual budget for street and stormwater improvements which address and mitigate for flood waters and landslides.	Ongoing
Initiative HLS-2—Develop a Storm Water Improvement Plan				
No	Short Term (<5yrs.)	No	The Town Developed a Storm Water Improvement Plan in 2015.	Ongoing
Initiative HLS-5a— Develop Urban Forest Maintenance and Management Plan				
No	Other, please specify	No	The Town conducted a windshield tree survey in calendar year 2016/17 which identified potentially hazardous streetscape trees that were dead, dying and had low limbs that could pose roadway hazards. The Town is currently developing a streetscape maintenance ordinance. The Town developed and implemented an ongoing maintenance management plan for its Town owned open space areas.	Ongoing
Initiative HLS-1—Establish open space fire fuels management – fire zones				
No	Long Term (5+yrs.)	No	The Town completed its Town Owned Open Space Wildfire Mitigation Construction Project in 2016 and recently awarded a annual maintenance contract to maintain the established defensible space and fire management areas.	Ongoing
Initiative HLS-12—Develop a Water Supply Improvement Plan				
No	Long Term (5+yrs.)	No	The Town updated its 30 year Potable Water Management Plan in 2015. The Town also coordinates with the SFPUC, BAWSCA and other regional agencies on cooperative planning and projects to develop and improve water supply.	Ongoing
Initiative HLS-13—Strengthen Fire Hydrant Distribution System				
No	Long Term (5+yrs.)	No	The Town is currently improving the potable water valve exercise program and purchased mechanical valve exercising equipment. In addition, the Town continues to update the fire hydrant distribution system in the 30 year master plan.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	The Town maintains good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts with the assistance of the Town's GIS system, Community Development Software and Community Maintenance Management System. The Town recently designated the City Engineer as the Flood Plain administrator.	Ongoing
Initiative HLS-5b—Continue to participate in developing and maintaining communications for first responders from cities and counties, special districts, state and federal agencies.				
No	Short Term (<5yrs.)	No	On-going involvement of maintaining communications for first responders from various jurisdictions	Ongoing
Town of Portola Valley				
Initiative PV-18—The Town’s senior management sits on the CERRP board and partially funds and participates in its efforts.				
No	Other, please specify	No	Town Manager sits on CERPP board and has attended three meetings this year. FY 2017-18 budget partially funded a full time position with the Woodside Fire Protection District who's primary role is to support CERT and CERPP trainings in Portola Valley	Ongoing
Initiative PV-5—Buy Earthquake simulation/asset allocation software				
No	Short Term (<5yrs.)	No	One Concern earthquake simulation software has been purchased. Town staff, along with the Town of Woodside and the Woodside Fire Protection District, meet regularly to train on the tool.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative PV-16—The Town regularly conducts emergency preparedness exercises and will open its Emergency Operations Center at least once a year to ensure its usefulness and operational capacity.				
No	Other, please specify	No	The Town has conducted one EOC training day with staff (in August of 2017) and will be participating in a regional drill in October of 2017. The Assistant to the Town Manager regularly refines and improves EOC training materials and holds on-on-one and group training with staff and key town residents. Back-ups to the EOC section chiefs have been identified in the community, and additional back-ups are being recruited.	Discontinue (comment required)
Initiative PV-2—The Town has adopted two successive Water Efficient Landscape Ordinances to assist residents in creating drought-tolerant landscaping; each has been more strict in its allowances on the types and amount of landscaping and the amount of budgeted water.				
No		No	The current WELO program is considered complete. It is in use by staff and has been successful in reducing the amount of water on irrigated land on single family properties. There is some discussion by the Sustainability and Environmental Resources Committee to review portions of the program to further restrict some types of water use, but that process has not been scheduled for this fiscal year. In addition, the Town amended its Green Building Ordinance (effective 8/15/2017), which requires rainwater catchment (or greywater as an alternative) with installation of any turf.	Complete
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Although no buildings have been identified for retrofit, purchase, or relocation, the Town continues to support the principles of G-1. Should a building require retrofit, purchase or relocation for such purposes, Town Staff would ensure that such work is done quickly and efficiently.	Ongoing
Initiative G-5—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	Hazard mitigation planning was included in the Town's adopted Emergency Operations Plan, and, starting in late 2018, will be reviewed for adoption into the zoning code during a programmed update. Staff is instructed to consider hazard mitigation plan integration into other appropriate plans, programs and resources as they are regularly reviewed.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-6—Consider the development and implementation of a Capital Improvements Program (CIP) to increase regulatory, financial, and technical capability to implement mitigation actions.				
No	Long Term (5+yrs.)	No	Administration, Public Works and Finance Department staffs have begun meeting to plan for the development of a 5 year capital projects budget to be part of the larger FY 2018-19 budget submitted to the Town Council in June 2018. In September 2017, the Finance Committee will provide feedback to the CIP concept	Ongoing
Initiative G-7—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	The Town considered grants such as California Residential Mitigation Program's (CRMP) Earthquake Brace + Bolt Program but found that most properties would not be eligible because of the topography.	No Progress
Initiative G-9—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	Management staff works together to ensure the proactive maintenance of the plan's protocols, including this update	Ongoing
Initiative G-4—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	No program was implemented, although Town staff did record in select locations high water marks in a few creeks and culvert areas after the winter 2017 storms.	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	No progress at this time. The Town is hiring a new position that will examine joining these programs; it is anticipated that such work will occur in the spring or summer of 2018.	No Progress
Initiative G-8—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	Yes	As a small town, not all initiatives identified in Volume 1 are appropriate for support. Those the Town current supports includes: 1. CERT training - partially pays for a CERT position at the Woodside Fire Protection District 2. Town Council adopted a Council Priority for 2017-18 of "Neighborhood Resiliency" to support both public safety and natural disaster support - the town pays for a coordinator to help disseminate information	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative PV-7—The Town is undergoing a Town Center Master Planning effort that, in part, will plan for the accommodate future emergency planning efforts, including staging and evacuation.				
No	Other, please specify	No	The Planning effort is finishing its initial phase, with recommendation to come to the Town Council in the coming months. Staff will take those recommendations and produce a report to be used for future conversations about the Town Center campus's development. Recommendations are expected to include future projects to support emergency preparedness efforts.	Ongoing
Initiative PV-20—Work with the Town Geologist to continue maintaining and updating the Town’s Geologic and Ground Movement Potential Map to ensure that it contains the most current and correct information.				
No	Short Term (<5yrs.)	No	The 2017 map update to be publicly reviewed in September 2017. Council approval should be Winter 2017.	Ongoing
Initiative PV-21—The Town will explore a seismic retrofit program for existing residences.				
No		No	This program has not been initiated and is not expected to be started in the next fiscal year.	No Progress
Initiative PV-3—The Town is amending its Green Building Ordinance to continue to encourage higher levels of energy and water efficiency in new construction.				
No	Other, please specify	No	An updated Green Building Ordinance was adopted by the Town Council and the California Energy Commission in July of 2017. The ordinance took effect on 8/15/17.	Complete
Initiative PV-4—Calwater water main project provides for seismic protection across the San Andreas Fault along Portola Road at Town Center				
No	Other, please specify	No	This vital project was completed in the fall of 2017.	Complete
Initiative PV-6—The Town has planted drought-tolerant demonstration gardens so residents can see the types of plants that can flourish in low-water conditions.				
No	Other, please specify	No	Drought-tolerant gardens are planted in front of the Town Council chambers and along the soccer fields, as well as other locations on the Town Center campus. The Conservation Committee has produced a map to allow for self-guided tours. The Town also hosts tours of private residents' gardens and give awards to the most drought tolerant.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative PV-8—The Town is exploring weather-based irrigation controllers and end-point water meters for Town fields to maximize water use.				
No	Other, please specify	No	CalWater has been unable to supply end-point water meters to the Town for trial. In the fall, the Town will reexamine the need for weather based irrigation control systems. in anticipation of winter storms.	No Progress
Initiative PV-10—The Town will complete paving of various road sections used by bicyclists in 2016, providing a wider roadway to use in the case of an emergency evacuation.				
No	Other, please specify	No	2017 widening program complete for identified areas; widening is more than CalTrans standards.	Complete
Initiative PV-12—The Town, together with the Woodside Fire Protection District, continue to fund, and encourage residents to take advantage of, a chipping program offered each year.				
No	Other, please specify	No	The 2017 chipping program is underway. The Town notifies residents of the program; this season's program ends at the end of August, 2017.	Ongoing
Initiative PV-19—The Town coordinates with Woodside Fire Protection District on efforts to maintain brush and vegetative growth for fire prevention including tree trimming programs, brush clearance, and other defensible space outreach efforts as necessary to ensure all roads are passable.				
No	Other, please specify	No	The WFPD has engaged in a number of vegetative clearance and tree trimming programs this year, and works with the Town to identify critical areas for such work, including on town-owned property. Work will continue thru fire season.	Ongoing
Initiative PV-9—The Town is exploring rain water catchment and graywater reuse projects in Town facilities, both to reduce water use and serve as a demonstration and example to residents				
No	Other, please specify	No	In the winter, the Town will install a rain catchment demonstration project at the Town Center. The graywater project has not been planned at this time; it is anticipated to be reviewed by the Sustainability and Environmental Resources Committee in either the Spring or Summer of 2018.	No Progress
Initiative PV-23—Ensure that Woodside Fire Protection District meets with with Public Works Committee to ensure all emergency access gates are maintained.				
No	Other, please specify	No	The Public Works Committee meets twice a year and ensures that Woodside Fire Protection District maintains the emergency access gates.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.				
No	Short Term (<5yrs.)	No	The Town has maintained good standing under the NFIP and implemented appropriate programming, as described in the description.	Complete
Initiative PV-1 —The Town will adopt a comprehensive 2030 Climate Action Plan in 2016.				
No	Other, please specify	No	Adoption of a Climate Action Plan has been delayed due to the upcoming hiring of a Sustainability Management Analyst. Work on the CAP should commence in mid 2018.	No Progress
Initiative PV-11—Town is rebranding and launching an online energy/water analysis tool to assist residents in understanding where they are using the most resources and connect them with tools to use them more efficiently.				
No	Other, please specify	No	The Town will launch a new version of the energy analysis portion of the tool in September 2017 and will continue to work with the software developer to re-vamp the water analysis portion.	Ongoing
Initiative PV-14—The Town hosts Firewise workshops and two CERPP trainings provided by the Woodside Fire Protection District. In 2011, the Conservation Committee worked with the Fire District and developed a “Fire Safety and Habitat Preservation” workshop with is on the Town’s website.				
No	Other, please specify	No	The Town, with the Town of Woodside and the Woodside Fire Protection District, reconstituted the executive committee meetings of the Firewise Council in 2016 and have met regularly to discuss and share ideas around fire safety; this has included working with CalWater to reinstate regular inspections of fire hydrants in Portola Valley. The Conservation Committee continues to sponsor fire safety events with the Fire District, and materials from those events are available on the website.	Ongoing
Initiative PV-15—The Emergency Preparation Committee provides residents with shelter in place educational materials and hosts a table at the annual Town Picnic to conduct outreach on developing a family disaster plan, among others.				
No	Other, please specify	No	Town picnic sponsorship by the EPC occurred in June 2017; EPC continues with their regular outreach, including emails and messages on neighborhood social media.	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative PV-22—Work with the Emergency Preparedness Committee to improve public education regarding hazard risks (e.g., fire, earthquake, flood) and preparation tools.				
No	Other, please specify	No	The EPC, in conjunction with the Administrative staff, are working to share emergency preparedness materials into recently-purchased outreach software (the Accela tool), as well as a reconstituted newsletter. The Town is hiring a Communications Management Analyst who will work directly to improve and distribute such materials. Additionally, newly constituted neighborhood watch teams are promoting and distributing emergency preparedness materials at their regular meetings.	Ongoing
Initiative PV-17—The Town’s Emergency Preparedness Committee continues to explore ways to improve the town’s disaster readiness; recent activity includes creating a Portola Valley emergency radio station and advertising it to residents through direct mail and email marketing, improving existing communications equipment and better coordination with adjacent town’s preparedness efforts.				
No	Other, please specify	No	AM radio station is active; EPC members purchased a mobile communications trailer, and have also upgraded the town's various radio equipment. EPC hosts an annual "Radio Communications Day" in June at the Town Center, demonstrating both portable and fixed radio communications equipment in the EOC.	Complete
Initiative PV-13—The Water Conservation Committee continues to explore innovative methods to conserve water for residents.				
No	Other, please specify	No	The Water Conservation Committee has merged with the Sustainability Committee to create the Sustainability and Environmental Resources Committee - they meet on a monthly basis and water conservation continues to be a regular topic of conversation. Future plans include a rain catchment demonstration project on the Town Center campus, as well as conversion of a water catchment pipe under the Town Center grounds into an emergency water storage unit.	Ongoing
Town of Woodside				
Initiative WS-8—Continue to support the Community Emergency Response Training through Citizens Emergency Response Preparedness Program (CERPP)				
No	Long Term (5+yrs.)	No	Town continues to support Training through CERPP. In addition to this Woodside Fire Protection District conducted a wildfire drill in Woodside on May 9, 2017 to provide training to the Town staff.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WS-6—5 year CIP for upgrading and maintaining storm drain conveyance facility.				
No	Other, please specify	No	Town's CIP includes a dedicated amount of funds each year for upgrading and maintaining the Town's storm drain conveyance facilities.	Ongoing
Initiative G-3—Where feasible, implement a program to record high water marks following high-water events.				
No	Long Term (5+yrs.)	No	The Town observes high water levels at five Town bridges and other locations throughout the Town during storm events.	Ongoing
Initiative G-1—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	Town structures do not need retrofitting or relocation.	Complete
Initiative G-4—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.				
No	Short Term (<5yrs.)	No	The Town Council adopted the plan. The Town General Plan contains a Natural Hazards and Safety Element.	Complete
Initiative G-5—Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.				
No	Other, please specify	No	The Woodside Earthquake Brace and Bolt Program was implemented in 2016 for homeowners.	Ongoing
Initiative G-2—Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.				
No	Long Term (5+yrs.)	No	The Town has been a Tree City in prior years. The Town plans to apply to be a Tree City in 2018.	Ongoing
Initiative WS-2—Work with Calwater to expedite review and processing of water tanks for fire suppression in high severity areas.				
No	Other, please specify	No	Calwater is currently constructing two new water tanks on Old La Honda Rd. and also have completed the construction of two new tanks on Skyline Blvd.	Ongoing
Initiative WS-1—Update Town Geologic Map showing to better show zones of potential geologic hazards.				
No	Short Term (<5yrs.)	No	The Town's Geologic Map has been updated in February 2017 and is available on the Town's website at https://www.woodsides town.org/building/geologic-map .	Complete

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WS-3—Work with PG&E to promote Vegetation Removal Program and to seek large scale tree removal projects near overhead lines.				
No	Other, please specify	No	Town staff and Fire department is working with PG&E by informing them of the trees close to power lines that need to be trimmed and/or removed.	Ongoing
Initiative WS-4—Continued to upgrade equipment for Town Vegetation Removal Program				
No	Short Term (<5yrs.)	No	Regular maintenance is performed on the Town's equipment. Town also has a on-call services agreement with three tree removal companies to aid in tree removal.	Ongoing
Initiative WS-5—Provide Sandbag Program and continued educational outreach for storm season.				
No	Other, please specify	No	Town continues to provide sandbags and educational outreach for storm season. A Town-wide notice is sent out in September of each year to inform the residents to keep all watercourses clear of any debris.	Ongoing
Initiative WS-10—Obtain good standing and compliance with the National Flood Insurance Program (NFIP). This will be accomplished through the implementation of floodplain management programs that will, at a minimum, meet the requirements of the NFIP: - Enforcement of the flood damage prevention ordinance - Participate in floodplain identification and mapping updates - Provide public assistance/information on floodplain requirements and impacts.				
No	Other, please specify	No	The Town continues to be in good standing and compliance with the NFIP.	Ongoing
Initiative WS-7—Continue to support Defensible Space Match Fund Program to reduce the threat of wildfire in the community.				
No	Other, please specify	No	Town continues to support Defensible Space Match Fund Program.	Ongoing
Initiative WS-9—Upgrade majority of sewer system including providing new Town Center pump station with built in redundancy for natural disasters. (Back generators, overflow wetwell capacity, and contract with West Bay Sanitation District to provide emergency back up services.				
No	Long Term (5+yrs.)	No	Construction is underway for upgrading the existing Town Center pump station. Upgrades will be completed by October 2017.	Ongoing
Initiative WS-12—Continue to support the county wide actions defined in Volume I of the hazard mitigation plan.				
No	Other, please specify	No	The Town is continuing to support the county wide actions defined in Volume I of the hazard mitigation plan.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WS-11—Continue to improve water efficiency in all public facilities by installing water efficient fixtures, monitoring the maintenance of Town’s fields, and continued support of the California Department of Water Resources Water Efficient Landscape Ordinance for all development projects.				
No	Long Term (5+yrs.)	No	Town has installed water efficient fixtures in the Town facilities and also monitor Town's fields through water efficiency program.	Ongoing
Initiative WS-13—Actively participate in the plan maintenance strategy and protocols outlined in Volume I of the hazard mitigation plan.				
No	Other, please specify	No	The Town is continuing to maintain the plan in accordance with the HMP protocol.	Ongoing
Initiative WS-14—Integrate the hazard mitigation plan into other plans, programs or resources that dictate land use or redevelopment.				
No	Other, please specify	No	The Town Council adopted the plan. The Town General Plan contains a Natural Hazards and Safety Element.	Ongoing
Initiative WS-15—Improve the development of a post disaster recovery plan and a debris management plan.				
No	Other, please specify	No	The Town has not made progress on this task.	No Progress
Westborough Water District				
Initiative WWD-2—Integrate the hazard mitigation plan into other plans and programs that support infrastructure investments choices, such as the capital improvement program.				
No	Short Term (<5yrs.)	Yes	At the Board Meeting held on June 8, 2017, the District Engineer presented a summary of Zone 2 and Zone 3 Capital Improvement Projects to improve seismic reliability of water mains during and earthquake.	Ongoing
Initiative WWD-3—Develop and implement a program to capture perishable data after significant events (e.g. high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The District has an Emergency Disaster Response Plan in place which will guide District staff in responding to an earthquake or other natural disaster. The Emergency Disaster Response Plan will be modified to include capturing the extent and estimated costs associated with the event as well as photos showing the damage.	Ongoing
Initiative G-2—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The District will evaluate and monitor the mitigation actions periodically and produce a revised plan every 5 years.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative G-1—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The District will support County-wide initiatives such as mutual collaboration with other participating jurisdictions. The District attended the HMP maintenance webinar on Tuesday, May 23, 2017. The District will distribute information on the District's website for future Disaster Preparedness events.	Ongoing
Initiative WWD-1—Where appropriate, support retro-fitting, purchase or relocation of structures located in high hazard areas and prioritize those structures that have experienced repetitive losses.				
No	Short Term (<5yrs.)	No	TJC and Associates submitted a Final draft Condition Assessment report on the Skyline Tanks in June 2017. The report will assess the feasibility of upgrading three water storage tanks to meet current seismic standards. The results of the report will identify future CIP projects to seismically retrofit the water tanks.	Ongoing
Initiative WWD-4—Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The District will support County-wide initiatives such as mutual collaboration with other participating jurisdictions. The District attended the HMP maintenance webinar on Tuesday, May 23, 2017. The District will distribute information on the District's website for future Disaster Preparedness events.	Ongoing
Initiative WWD-5—Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.				
No	Short Term (<5yrs.)	No	The District will evaluate and monitor the mitigation actions periodically and produce a revised plan every 5 years.	Ongoing
Initiative WWD-6—Seismic retrofit or replace water tanks (reservoirs) to withstand impacts of earthquakes and to meet State and/or Federal requirements				
No	Long Term (5+yrs.)	No	TJC and Associates submitted a Final draft Condition Assessment report on the Skyline Tanks in June 2017. The report will assess the feasibility of upgrading three water storage tanks to meet current seismic standards. The results of the report will identify future CIP projects to seismically retrofit the water tanks.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WWD-7—Install specially-engineered pipelines in areas subject to faulting, liquefaction, earthquake-induced landsliding, or other earthquake hazard.				
No	Long Term (5+yrs.)	No	The District identified three locations (King Drive, Christen Hill Tank driveway and Westborough Boulevard) to install earthquake resistant ductile iron pipe where the water main crosses the San Andreas Fault. These projects are identified in CIP Project Numbers 17-02 and 17-05	Ongoing
Initiative WWD-8—Relocate water mains in cross country areas to reduce the impact to buildings and critical facilities that could result in landslides or property damage				
No	Short Term (<5yrs.)	No	Capital Improvement Program projects were identified to eliminate cross country water mains which have the potential for property damage due to pipe failure.	Ongoing
Initiative WWD-9—Continue with Water Conservation Program to promote water saving measures and re-use of water during times of drought				
No	Other, please specify	No	The District passed and adopted Ordinance No. 64 - Prohibiting Wasteful Water Use Within the District on August 14, 2014 and continues to stress to its customers the importance of water conservation. The District has a link on the District website related to Water Conservation and Rebates.	Ongoing
Initiative WWD-10—Create and maintain defensible space around structures and infrastructure				
No	Other, please specify	No	In August 2017, the District cleared the grassy areas around two of the Skyline Tanks. The third tank did not require vegetation clearing as it is surrounded with pavement.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WWD-11—Obtain portable emergency generator sized for main Pump Station.				
No	Long Term (5+yrs.)	No	The District pumps its entire water supply through the Westborough Pump Station located at the District office along Westborough Boulevard. Given the District's entire water supply is pumped through this station, it is a critical facility that must remain in operation during a power outage. This pump station does not have a permanent emergency generator and the District currently rents a portable generator when the need arises. After a major disaster and loss of electricity, such as an earthquake, portable generators may not be readily available leaving the District without a way of supplying water to its customers. Immediately adjacent to the water pump station is the sanitary sewer lift station and it has a permanent emergency generator (see photo). There may be an opportunity to share this generator with the water pump station. The District has a Capital Improvement Project which involves studying the possibility of using/sharing the existing generator in the Westborough Sewer Lift Station with the Westborough Water Pump Station. The District is also investigating the acquisition of a portable emergency generator for the main Pump Station.	Ongoing
Woodside Fire Protection District				
Initiative WFPD-4—Conduct engineering study on the impact of the Berrocal Fault on Station 8. Based on results, identify alternate location for Station 8.				
No	Short Term (<5yrs.)	No	It is determined through communication with the Portola Valley Town Director that the fault does not exist and the thought of the fault in this location is no longer listed on Town Maps.	Complete
Initiative WFPD-5—Reach 25% of district homes (approximately 375) in pursuit of the District’s Fire Adapted Communities program by 2021 through expansion and increased support of the Deputy Fire Marshal’s current public outreach initiatives.				
No	Other, please specify	No	Focus on Wildfires. DFM Bullard is actively working at the education, training, inspection and communication process with the Los Trancos Vista Verde community and will attempt to have them recognized as a Fire Adaptive community by the fall of 2018.	Ongoing
Initiative WFPD-6—Develop a strategic expansion plan for the district that identifies milestones for 5, 10, and 15 years.				
No	Short Term (<5yrs.)	No	Project has not yet started and there is no immediate time frame to begin.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WFPD-7—Purchase and develop additional land for district operation expansion for Station 7 pursuant to strategic plan recommendations.				
No	Long Term (5+yrs.)	No	Property purchase has been put on hold. District has shared interest with neighboring properties owners, at this time there is no interest from neighbors in selling.	Ongoing
Initiative WFPD-11—Integrate the hazard mitigation plan into other plans, programs, or resources, that dictate land use or redevelopment.				
No	Other, please specify	No	Using the HMP to help support the expansion of the Fire Adaptive Community outreach in more than the originally planned community. This is due to the positive response from the community in regards to mitigating the damage threat of wildland fire by "hardening structures and removing hazardous vegetation" from the community.	Ongoing
Initiative WFPD-9—Continue to support the countywide actions identified in this plan.				
No	Short Term (<5yrs.)	No	Working with San Mateo County and the Los Trancos Community Maintenance District on creating a "Fire Adaptive Community" in the Los Trancos Vista Verde area.	Ongoing
Initiative WFPD-10—Actively participate in the plan maintenance strategy identified in this plan.				
No	Short Term (<5yrs.)	No	Working with Tetra Tech on maintenance plan reviewing and updating. Webinar/confernece call update on review.	Ongoing
Initiative WFPD-8—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.				
No	Long Term (5+yrs.)	No	No progress as of yet. The only structures or infrastructures that have been identified is roadway concerns from winter storms. No physically damaged structures have been identified as repetitive losses. I will be contacting both the Town of Woodside and the Town of Portola Valley to ascertain if any bridges have been identified from the winter storms.	Ongoing
Initiative WFPD-1—Purchase new equipment for district response, including water tenders, rescue vehicles, and SUVs/Pick-up Trucks.				
No	Other, please specify	No	The apparatus and equipment is currently (April 2017) beginning the process of identifying new specifications for a medium duty rescue unit to replace the current Rescue which was built in 2000. The Fiscal Year Budget 2017-18 will include the plan to purchase a new Rescue through equipment reserves.	Ongoing

**TABLE 2.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative WFPD-2—Purchase a Type 3 Wildland Rig for regional response capabilities to large scale wildfires and provide training on operation for district staff.				
No	Short Term (<5yrs.)	No	The District has decided to hold off on this purchase until the State of California commits or denies the OES availability of Type 3 Wildland rigs. The District may be interested in purchasing one to be the backup to an OES rig used for state emergencies, dependent on available staffing.	Ongoing
Initiative WFPD-3—Replace permanent generators at Station 7 and Station 8 to ensure continuity of operations in case of a power outage.				
No	Long Term (5+yrs.)	No	The generators are part of the overall plan to replace both stations. Station 7 replacement will be the 1st to be replaced and the time frame is subject to funding abilities which are currently in review.	Ongoing

**TABLE 3.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
City of Pacifica				
Initiative PA-1—Pacifica will build infrastructure to accommodate increases in low impact flooding to mitigate impacts from expected increases in incidents of shallow flooding,				
No	Short Term (<5yrs.)	No	1. Anza Drive Storm Drain- Install new storm drain inlet and pipe between 943 and 951 Anza. 2. Construction of equalization basin begun at Community Center parking lot. Project will help to prevent overloading of waste water systems during periods of heavy rain.	New
Initiative PA-3—Pacifica will update its flood damage prevention ordinance to mitigate against damage of residential and commercial property in flood prone areas,				
No	Short Term (<5yrs.)	No	Update of flood control ordinance in progress. Tentatively scheduled to be presented to City Council in September 2017	New
City of Pacifica				
Initiative PA-1—Pacifica will build infrastructure to accommodate increases in low impact flooding to mitigate impacts from expected increases in incidents of shallow flooding,				
No	Short Term (<5yrs.)	No	1. Anza Drive Storm Drain- Install new storm drain inlet and pipe between 943 and 951 Anza. 2. Construction of equalization basin begun at Community Center parking lot. Project will help to prevent overloading of waste water systems during periods of heavy rain.	New
Initiative PA-3—Pacifica will update its flood damage prevention ordinance to mitigate against damage of residential and commercial property in flood prone areas,				
No	Short Term (<5yrs.)	No	Update of flood control ordinance in progress. Tentatively scheduled to be presented to City Council in September 2017	New
City of San Bruno				
Initiative SB-1—Increase public awareness of Disaster Preparedness by teaching the “Get Ready” Campaign to the community				
No	Short Term (<5yrs.)	No	We have developed the course using NFPA materials. We have taught the course to a local school district and are planning additional courses for a larger segment of our population	New

**TABLE 3.
ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
Initiative SB-2—Improve emergency planning by providing training to Care Home Facilities in the Community				
No	Short Term (<5yrs.)	No	We have met with members of the San Ramon Valley Fire Authority who have a similar program. We have purchased a DVD that is designed to explain the program to the care facilities. We are currently developing a list of the care homes with accurate contact details.	New
Initiative SB-55—wdwdfw				
No		No		New
Initiative SB-56—The existing storm drain pipeline in this neighborhood does not have adequate capacity during storm surge. This measure would install a new 48" diameter.				
No	Short Term (<5yrs.)	No	Mitigate flooding in the Spyglass neighborhood	New
City of San Bruno				
Initiative SB-1—Increase public awareness of Disaster Preparedness by teaching the “Get Ready” Campaign to the community				
No	Short Term (<5yrs.)	No	We have developed the course using NFPA materials. We have taught the course to a local school district and are planning additional courses for a larger segment of our population	New
Initiative SB-2—Improve emergency planning by providing training to Care Home Facilities in the Community				
No	Short Term (<5yrs.)	No	We have met with members of the San Ramon Valley Fire Authority who have a similar program. We have purchased a DVD that is designed to explain the program to the care facilities. We are currently developing a list of the care homes with accurate contact details.	New
Initiative SB-55—wdwdfw				
No		No		New
Initiative SB-56—The existing storm drain pipeline in this neighborhood does not have adequate capacity during storm surge. This measure would install a new 48" diameter.				
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ACTION PLAN MATRIX**

Action Taken?	Timeline	Priority Changed?	Comment (Describe progress or changed priority)	Status
City of San Bruno				
Initiative SB-1—Increase public awareness of Disaster Preparedness by teaching the “Get Ready” Campaign to the community				
No	Short Term (<5yrs.)	No	We have developed the course using NFPA materials. We have taught the course to a local school district and are planning additional courses for a larger segment of our population	New
Initiative SB-2—Improve emergency planning by providing training to Care Home Facilities in the Community				
No	Short Term (<5yrs.)	No	We have met with members of the San Ramon Valley Fire Authority who have a similar program. We have purchased a DVD that is designed to explain the program to the care facilities. We are currently developing a list of the care homes with accurate contact details.	New
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Initiative SB-56—The existing storm drain pipeline in this neighborhood does not have adequate capacity during storm surge. This measure would install a new 48" diameter.				
No	Short Term (<5yrs.)	No	Mitigate flooding in the Spyglass neighborhood	New

Public Review Notice: *The contents of this report are considered to be public knowledge and have been prepared for total public disclosure. Copies of the report have been provided to the governing bodies for all planning partners and local media outlets. The report is also posted on the San Mateo County Hazard Mitigation Plan website. Any questions or comments regarding the contents of this report should be directed to both:*

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