



Chapter 12.

City of Millbrae

12.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
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12.2 Jurisdiction Profile

The following is a summary of key information about the jurisdiction and its history:

- ❖ Date of Incorporation—January 14, 1948
- ❖ Current Population—23,136 (as of January 1, 2016 – CA DOF)
- ❖ Population Growth—3% growth since 2010 Census (21,536). As of January 2014, Millbrae had a total population of 22,605. According to census data, Millbrae’s population grew by four percent from 2000 to 2010. However, the Association of Bay Area Governments (ABAG) predicts that Millbrae’s growth will pick up over the next two decades, bringing the population to 25,700 by 2030.
- ❖ Location and Description—The City of Millbrae is located on the Peninsula, 15 miles south of San Francisco. The boundaries of this city extend roughly from the Bayshore Freeway on the east to Skyline Boulevard on the west. This distance is approximately 1.7 miles. The distance between the north and south city limit line is approximately 2.05 miles. The City of Millbrae has approximately 100 employees with an operating budget of \$52 million. The City of Millbrae borders the following San Mateo County jurisdictions: Burlingame to the south, Pacifica to the West, San Bruno and South San Francisco to the North.
- ❖ Brief History—Millbrae boasts over 22,000 residents of diverse ethnic, national, and cultural backgrounds. Residents are employed in various industries throughout the Bay Area and children attend one of five public elementary schools, or private schools. The City's senior citizen community, with the eager generosity of the City's many service clubs and private donations, recently dedicated an attractive new senior wing within the Millbrae community center. Millbrae's approach is demarcated by a picturesque new overpass. A small city with global vision, Millbrae proudly nurtures Sister City relationships with La Serena, Chile, Mosta, Malta, and its newest Sister City Kaiping, China.

The City of Millbrae has experienced its share of disasters, which include the Loma Prieta Earthquake of 1989, the winter storms of 1998 which resulted in landslides in the area of Sleepy Hollow,



Clearfield, and Morningside as well as flooding around the Westin and Clarion Hotels. In the year 2000 Millbrae experienced the Crestview landslide.

Major Government facilities include the Millbrae Park and Recreation Center, the City Hall complex, which contains City Administration and San Mateo County Sheriff's Office Millbrae Patrol Bureau, two fire stations, the Chetcuti Community Center and a water treatment and corporation yard. Millbrae is also home to the Bart Intermodal Station, which is a transportation hub for BART, CalTrain and Samtrans.

- ❖ Climate—According to the National Weather Service, Millbrae enjoys a typical Mediterranean climate featuring cool, wet winters and dry, mild summers. Night and morning fog are common during the summer months. Frequent, westerly sea breezes keep temperatures relatively mild throughout the year with highs in the middle fifties and lows in the lower forties during the winter and highs in the lower seventies and lows in the lower fifties during the summer. Annual precipitation ranges from 20 inches in the lowlands to 32 inches in the hills near Skyline Boulevard and I-280; most of the rain falls from November through April. Snow is very rare; the last measurable occurrence was on February 5, 1976. The nearest National Weather Service station is at the nearby San Francisco International Airport, where records go back to early 1927.
- ❖ Governing Body Format—Millbrae operates as a General Law City, providing for a Council/Manager form of government that clearly distinguishes the legislative power of the City Council from the administrative powers of the City Manager.
- ❖ The five-member City Council is elected directly by the residents of Millbrae. As the legislative branch of the government, the City Council makes final decisions on all major City matters. The Council adopts ordinances and resolutions necessary for efficient governmental operations, approves the budget, and acts as a board of appeals. The Council appoints the City Manager and City Attorney, as well as the members of the City's boards and commissions. The City Council assumes responsibility for the adoption of this plan; the City Manager will oversee its implementation.
- ❖ Development Trends— The City of Millbrae, incorporated in 1948, was a small settlement largely dependent on market farming, the Mills Estate and Dairy, West Coast Porcelain Works (later the Royal Container Company), and vegetable and flower farming until World War 2. Southern Pacific Railroad, the 40-line streetcar line, El Camino Real and Skyline Road (in the approximate location of I-280) linked the settlement to nearby towns and San Francisco. Millbrae in the period 1920-1950 was beginning its transformation from its roots as a farming village supplying the produce markets of San Francisco to a small town. Development of the town was largely governed by transportation features: the railway, streetcar line, highways and airport.
- ❖ Properties might also reflect the importance of modern transportation networks in their architectural style. For example, properties that show the influence of new, speedier forms of transportation emerged in a variant of Art Deco style known as Streamline Moderne. Streamline Moderne buildings borrowed curves, shiny metal, circular windows from newly modernized cars, train and ships. Smooth surfaces and “speed lines” are also characteristics of the style.



- ❖ Millbrae’s development continues to be shaped by the transportation network that surrounds it. As a major hub on the networks that connect rail (Caltrain), mass transit (BART and SAMTRANS) and air travel (SFO), the city has attracted higher density commercial and residential development along the rail line and State Highway 82/El Camino Real. The downtown area on Broadway and the west side of El Camino Real north of Victoria Street still display some of the small town feeling of the mid-20th Century.
- ❖ The City of Millbrae General Plan identifies policies and programs addressing the development and redevelopment of land, preservation of parks and open spaces, provision of housing for current and future residents, conservation of natural resources, improvement of the circulation and transportation system, control of noise and protection of life and property from hazards. Additionally, the General Plan assures that tax money is generated to provide high levels of public services and maintenance of public facilities and infrastructure.

12.3 Capability Assessment

An assessment of legal and regulatory capabilities is presented in Table 12-1. An assessment of fiscal capabilities is presented in Table 12-2. An assessment of administrative and technical capabilities is presented in Table 12-3. Information on National Flood Insurance Program (NFIP) compliance is presented in Table 12-4. Classifications under various community mitigation programs are presented in Table 12-5. An assessment of education and outreach capabilities is presented in Table 12-6.

TABLE 12-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Building Code <i>Comment: Local Building Official and Fire Marshal for Standards Codes – Muni Code 9.05.010 – Adopted California Building Code, 2013 Edition, 11/26/2013, Ordinance 746</i>	Yes	No	Yes
Zoning Code <i>Comment: Community Development MMC 10.05, Adoption of Zoning Plan, Adopted 10/13/09, Ordinance 726MMC 10.05</i>	Yes	No	No
Subdivisions <i>Comment: Public Works & Community Development MMC 10.15, Adopted 6/17/51, Ordinance 69,</i>	Yes	No	No
Stormwater Management <i>Comment: Public Works MMC 8.70 & MRP 2.0 Order No. R2-2015-0049 NPDES Permit No. CAS612008</i>	Yes	Yes	Yes
Post-Disaster Recovery <i>Comment: Community Development with Public Works San Mateo County Public Works Mutual Aid Resolution 074124 adopted 10/20/05</i>	Yes	No	No



TABLE 12-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Real Estate Disclosure <i>Comment: County Assessors Office. CA. State Civil Code 1102 requires full disclosure on Natural hazard Exposure of the sale/re-sale of any and all real property.</i>	No	Yes	Yes
Growth Management <i>Comment: Community Development The City of Millbrae General Plan (1998-2015) addresses growth management through the following land use goals: Preserve the Quality of Residential Neighborhoods, Promote Property Site Planning, Architectural Design and Property Maintenance, Maintain a Variety of Land Uses, Support Economic Development and revitalize and Enhance Commercial Areas, and Provide Adequate Services and Facilities. The Housing and Circulation Elements provide guidance on managing future growth. The Chapter 4 Circulation Element identifies current traffic, circulation, and parking issues, presents current traffic counts for City arterials and adjoining freeways, and discusses relevant regional transportation plans. Recommended policies and implementing actions address current and anticipated needs. The Chapter 5 Housing Element provides goals and objectives to guide housing requirements, needs, policies, programs and address future trends and projections.</i>	Yes	No	Yes
Site Plan Review <i>Comment: Community Development The City of Millbrae addresses Site Plan Review in the General Plan (1998-2015) Land Use Goal 2 (LU2): Promote Proper Site Planning, Architectural Design and Property Maintenance. The City of Millbrae Planning and Zoning Code (effective November 13, 2009) establishes the requirements for the project site plan design review and entitlement process. In addition to Planning, all proposed projects are reviewed by the Building, Public Works and Fire Departments to ensure they meet all local, state and federal requirements and obtain all of the necessary permits and entitlements, including Planning Commission and/or City Council approval before construction.</i>	Yes	No	No
Environmental Protection <i>Comment: Community Development with Public Works The Community Development Department evaluates all proposed development projects for environmental impacts under the California Environmental Quality Act/National Environmental Protection Act (CEQA/NEPA)</i>	Yes	No	Yes
Flood Damage Prevention <i>Comment: Public Works MMC 8.50, Flood Damage Prevention, Adopted 9/23/03, Ordinance 688MMC 8.50</i>	Yes	No	Yes
Emergency Management <i>Comment: This role and position is currently be defined for assignment. (Municipal Code with Title 19, Division 2)</i>	Yes	No	Yes



TABLE 12-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Climate Change	Yes	No	No
<p>Comment: <i>Community Development with Public Works</i> <i>The City has not formally adopted a Climate Action Plan. However the City has adopted and implemented a number of policies, programs and projects to address the reduction of GHG emissions and related efforts to improve sustainability. The following are the City's Goals and Policies:</i></p> <p><i>Climate Protection and Sustainability Goals and Policies:</i></p> <ul style="list-style-type: none"> • <i>U.S. Mayor's Climate Protection Agreement, Adopted 6/12/07, Resolution 07-31.</i> • <i>Participated in ICLEI- Cities for Climate Protection Campaign, Adopted 6/12/07, Resolution 07-32.</i> • <i>Resolution 09-68, adopted 9/22/09: Establishes specific Green House Gas (GHG) emissions reduction goals for municipal operations and communitywide GHG emissions sources in the City of Millbrae.</i> • <i>Currently participating in the countywide RICAPS program for regionally-integrated climate action planning, GHG inventories and CAP development.</i> • <i>Currently preparing a draft CAP pursuant to adopted targets and in coordination with RICAPS.</i> <p><i>The Safety Element of the City of Millbrae General Plan (1998) contains policies related to climate change effects and adaptation:</i></p> <p><i>Policy S1.1 Location of A Future Development; Policy S1.8 Reforestation</i></p> <ul style="list-style-type: none"> • <i>Policy S1.12 Ordinances and Codes</i> • <i>Policy S1.17 Drainage Channels, Hydraulic Pumps and Conduits</i> • <i>Policy S1.18 Hazards</i> • <i>Policy S1.19 Rise in Sea level</i> • <i>Policy S2.2 Emergency Services Facilities</i> • <i>Policy S2.3 Hazardous Awareness</i> <p><i>The San Mateo County Sea-Level Rise Vulnerability Assessment: The City of Millbrae is participating in this regional assessment to inventory of all assets vulnerable to sea-level rise, identify specific vulnerabilities of 30 representative assets, issue initial recommendations on adaption measures, and improve flooding and sea-level rise mapping. The assessment is currently scheduled for completion in August, 2016.</i></p>			
Other		No	No
<p>Comment:</p>			
General or Comprehensive Plan	Yes	No	Yes
<p><i>Is the plan equipped to provide linkage to this mitigation plan? Yes.</i></p> <p>Comment: <i>The City of Millbrae has begun a two-year process to update the General Plan, which was last adopted in 1998. The General Plan will guide decision making for land use, transportation, infrastructure, community design, environmental issues, and other important topics that impact the community. The General Plan is a long-range planning document that will look ahead to 2040. The General Plan Update will include a specific plan for the Downtown Priority Development Area and an Active Transportation Plan. The City contracted the consultant, Mintier Harnish to prepare the General Plan. The project began in March, 2016 and is estimated to be completed in the fall of 2017. The Updated General Plan will include linkages to the Local Hazard Mitigation Plan</i></p>			





TABLE 12-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
<p>Capital Improvement Plan</p> <p><i>What types of capital facilities does the plan address? Utilities, building improvements, engineering, equipment, and similar projects. Specific projects in the 2015-2020 CIP include street improvements, storm drains, water system, sewer collection system, water pollution control plant, public facilities, parks, studies and technology, and garage (listed in budget)</i></p> <p><i>How often is the plan updated? Annually</i></p> <p>Comment: Public Works with Finance</p>	Yes	No	No
<p>Floodplain or Watershed Plan</p> <p>Comment: Public Works</p> <p><i>MMC 8.50, Flood Damage Prevention, Adopted 9/23/03, Ordinance 688. Includes subsections such as 8.50.040 Basis for establishing the areas of special flood hazard, 8.50.080 Warning and disclaimer of liability, and 8.50.110 Designation of the floodplain administrator. The City Engineer or Director of Public Works are appointed to administer and enforce policies outlined in this chapter. Section 8.50.050 Compliance required ensures public safety by prohibiting construction in floodplains without proper permitting and code compliance. MMC 8.50</i></p>	No	No	No
<p>Stormwater Plan</p> <p>Comment: Public Works with Community Development</p> <p><i>MMC 8.70, Adopted in 6/14/94. Ordinance 607, The purpose of this chapter is to ensure the future health, safety and general welfare of city citizens: Eliminating non-storm water discharges to the municipal separate storm sewer; Controlling the discharge to municipal separate storm sewers from spills, dumping or disposal of materials other than storm water; Reducing pollutants in storm water discharges to the maximum extent practicable. The intent of this chapter is to protect and enhance the water quality of our watercourses, water bodies and wetlands in a manner pursuant to and consistent with the Clean Water Act. (Ord. 607, § 1; 1976 Code § 8-14.02). MMC 8.70</i></p>	Yes	No	No
<p>Habitat Conservation Plan</p> <p>Comment: N/A – if one developed would be defined by Community Development</p>	No	No	No
<p>Economic Development Plan</p> <p>Comment: Community Development, Comprehensive Annual Financial Report</p> <p><i>2013 Millbrae Economic Development Plan. Adopted 2/12/13. (By William R. Kelly, Kelly Associates Management Group). There was an update to the 2013 Millbrae Economic Development Plan completed Feb. 2015 by William R. Kelly.</i></p> <p><i>The 2013 Economic Development Plan provides an analysis of City’s current economic profile, identifies certain financial issues facing the City that are interrelated with economic development, assesses the relative strengths, weakness, opportunities and threats that are perceived by community stakeholders, and offers short-term and long-term strategies for addressing economic needs.</i></p>	Yes	No	No
<p>Shoreline Management Plan N/A</p> <p>Comment: Managed by Bay Area Conservation Development District with U.S. Fish and Wildlife Service</p>	No	Yes	No



TABLE 12-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Community Wildfire Protection Plan <i>Comment: Fire Marshal and Building Official</i> Annex to 2010 Association of Bay Area Governments Local Hazard Mitigation Plan, Millbrae <i>The Annexation to the MJ-LHMP outlines mitigation measures that Millbrae is required to implement to decrease the loss or risk to life and property in event of a hazard, including fire. Exhibit C to the annex lists mitigation actions and priorities adopted by Millbrae to address fire hazards. The Plan identifies the Fire Chief as a liaison between the Millbrae Fire Department and the City in terms of emergency response issues, and the City’s Emergency Response Operating Center.</i> Community Wildfire Protection Plan <i>In 2010, a collaborative group consisting of CAL FIRE, Resource Conservation District of Santa Cruz County, San Mateo Resource Conservation District, and the US Fish and Wildlife Service worked together to create a draft Community Wildfire Protection Plan (CWPP) which includes the city of Millbrae in the planning area. The Plan identifies fire protection agencies with jurisdiction, volunteer organizations, large land owners, communities, neighborhoods, open spaces and other environmental resources in the planning area that may be at risk of fire hazards.</i> Municipal Code Chapter 9.30 (Fire Code) <i>Chapter 9.30 of the Millbrae Municipal Code (Fire Code) was last updated as a result of Ordinance 757 passed October 27, 2015. The code identifies safety information, restricted use of flammable materials, and other detailed rules for handling combustible or flammable goods. The code also identifies climate conditions, geographical conditions, and topographical conditions that may exacerbate fire hazards in the city of Millbrae. Some of these conditions include prolonged periods of drought in combination with warm western winds and increasing temperatures due to climate change, and increasing response times for fire equipment and other emergency services due to urban sprawl and physical locations of residential dwellings.</i>	Yes	No	No
Forest Management Plan <i>Comment: National Forest Service</i>	No	No	Yes
Climate Action Plan <i>Comment: Public Works with Community Development</i> <i>The City has not formally adopted a Climate Action Plan. However the City has adopted and implemented a number of policies, programs and projects to address the reduction of GHG emissions and related efforts to improve sustainability. Please Climate Change Section for more details.</i>	Yes	No	No
Other <i>Comment: Urban Water Management Plan (2010, 2015), Millbrae Station Area Specific Plan (2016)</i>	Yes	No	No
Comprehensive Emergency Management Plan <i>Comment: This role and position is currently being defined for assignment.</i>	Yes	No	No





TABLE 12-1. LEGAL AND REGULATORY CAPABILITY

	Local Authority	Other Jurisdiction Authority	State Mandated
Threat & Hazard Identification & Risk Assessment	Yes	No	No
<p>Comment: Community Development to align with General Plan. The City of Millbrae addresses the following hazard and safety issues as required by federal, state, regional and local agencies: Emergency Preparedness, Seismic and Geologic Hazards, Flood Hazards, Fire Hazards, Aviation Hazards, Hazardous Materials and Noise (Ground Transportation, Aircraft, Non-Transportation).</p> <p>MMC 4.65, Adopted 12/27/83, Ordinance 476. Chapter 4.65 addresses the storage of hazardous materials to ensure the protection of health, life, resources, and property through prevention and control of unauthorized discharges of hazardous materials. Chapter 4.65 requires a permit for the storage of any hazardous material as well as regulates the manner in which materials are stored.</p> <p>In 2010 Millbrae officials, in cooperation with the San Mateo County Fire Department and the San Mateo County Sheriff's Office of Homeland Security and Emergency Services, drafted the Millbrae Local Hazard Mitigation Plan Annex (LHMP) to ensure the most effective and economical allocation of resources for protection of human health, property and the environment in the event of an emergency or disaster.</p> <p>2015 Multijurisdictional Local Hazard Mitigation Plan and Millbrae Annex: In September of 2015, the San Mateo County Emergency Manager's Associate selected a consultant to update the 2010 Multijurisdictional Plan. The consultant has been working on the update and it is anticipated that the update will be completed in the summer of 2016. In addition to the Multijurisdictional Annex, individual jurisdictions and districts within the County will be preparing their own specific Annex which will tier off of the County-wide plan. The City of Millbrae will be preparing an updated Annex as part of this process.</p> <p>Geologic and Seismic Hazards: MMC Chapter 9.05 adopts the 2013 City Building Code (CBC). The CBC contains requirements for seismic safety. All new development in the city is required to adhere to the standards and regulations in the code. Chapter 9.65 of the municipal code addresses the seismic identification program for unreinforced masonry buildings.</p>			
Post-Disaster Recovery Plan	Yes	No	No
<p>Comment: This role and position is currently being defined for assignment.</p>			
Continuity of Operations Plan	Yes	No	No
<p>Comment: This role and position is currently being defined for assignment.</p>			
Public Health Plan	No	Yes	No
<p>Comment: San Mateo County Health System</p>			

TABLE 12-2. FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	No
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	No
User Fees for Water, Sewer, Gas or Electric Service	Yes, Water and Sanitation
Incur Debt through General Obligation Bonds	Yes





TABLE 12-2. FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Other	No

TABLE 12-3. ADMINISTRATIVE AND TECHNICAL CAPABILITY

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Community Development / Municipal / Contract Support/Public Works
Engineers or professionals trained in building or infrastructure construction practices	Yes	Community Development / Municipal / Contract Support/Public Works
Planners or engineers with an understanding of natural hazards	Yes	Community Development\Local/ Contract Support/Public Works
Staff with training in benefit/cost analysis	Yes	Community Development\Local/ Contract Support
Surveyors	Yes	/ Contract Support (San Mateo County Public Works)
Staff capable of making substantial damage estimates	Yes	Community Development\Local/ Contract Support
Personnel skilled or trained in GIS applications	Yes	Community Development\Local/ Contract Support/Public Works
Scientist familiar with natural hazards in local area	Yes	Community Development\Local/ Contract Support
Emergency manager (via San Mateo County Emergency Operation Services)	Yes	Community Development\Local/ Contract Support
Grant writers	Yes	Community Development\Local/ Contract Support/Public Works

TABLE 12-4. NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

Criteria	Response
When did the community enter the NFIP?	1981
When did the Flood Insurance Rate maps become effective?	September 30, 1981
What local department is responsible for floodplain management?	Public Works & Community Development
Who is your floodplain administrator? (department/position) Per Municipal Code section 8.50.260.2	City Planner, Building Official, Public Works Director, City Engineer





TABLE 12-4. NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

Criteria	Response
<ul style="list-style-type: none"> Is this a primary or auxiliary role? 	Auxiliary
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	Ordinance 688, 1976
<ul style="list-style-type: none"> Does your floodplain management program meet or exceed minimum requirements? 	Meet
When was the most recent Community Assistance Visit or Community Assistance Contact?	11/20/2007
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed?	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction?	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program?	Yes
<ul style="list-style-type: none"> If so, what type of assistance/training is needed? 	Training on any new regulations.
Does your jurisdiction participate in the Community Rating System (CRS)?	No
<ul style="list-style-type: none"> If so, is your jurisdiction seeking to improve its CRS Classification? 	Yes
How many Flood Insurance policies are in force in your jurisdiction?	61
<ul style="list-style-type: none"> What is the insurance in force? 	\$18,323,800
<ul style="list-style-type: none"> What is the premium in force? 	\$61,392
How many total loss claims have been filed in your jurisdiction?	38
<ul style="list-style-type: none"> How many claims were closed without payment/are still open? 	14 CWOP
<ul style="list-style-type: none"> What were the total payments for losses? 	\$178,560.42

TABLE 12-5. COMMUNITY CLASSIFICATIONS

	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule – Currently participating in the process to receive a rating.	Yes	TBD	TBD
Public Protection	No	N/A	
Storm Ready	No	N/A	N/A
Firewise	No	N/A	N/A





TABLE 12-6. EDUCATION AND OUTREACH

Criteria	Response
Do you have a Public Information Officer or Communications Office?	Yes
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website?	Yes
<ul style="list-style-type: none"> If yes, please briefly describe. 	Link to the last Hazard Mitigation Annex and Emergency Preparedness information
Do you utilize social media for hazard mitigation education and outreach?	Yes – PD & FD No – City of Millbrae
<ul style="list-style-type: none"> If yes, please briefly describe. 	FD, PD with focus on public safety in general.
Do you have any citizen boards or commissions that address issues related to hazard mitigation?	Yes
<ul style="list-style-type: none"> If yes, please briefly specify. 	Muni Code - Emergency Services Disaster Board
Do you have any other programs already in place that could be used to communicate hazard-related information?	Yes
<ul style="list-style-type: none"> If yes, please briefly describe. 	CERT program
Do you have any established warning systems for hazard events?	Yes
<ul style="list-style-type: none"> If yes, please briefly describe. 	SMC Alert via PD and FD

12.4 Integration with Other Planning Initiatives

The following describe the jurisdiction’s process for integrating the hazard mitigation plan into local planning mechanisms.

12.4.1 Existing Integration

The following plans and programs currently integrate the goals, risk assessment and/or recommendations of the hazard mitigation plan

- ❖ General Plan – Community Development & Public Works: The General CIP Storm Projects-Storm Drain System Master Plan will integrate information and link with the LHMP be prepared to address deficiencies in the 2015 General system. The Master Plan Update, in the Hazards & Safety Element will link with LHMP.
- ❖ New FEMA maps: The City of Millbrae has received the FEMA Flood Map Update in 2016 and Public Works will update flood insurance information as needed based on the updated maps. The FEMA Flood Map Update for 2016 is in the draft stage and there will be additional opportunities for the City to comment on the new FEMA flood maps.





Opportunities for Future Integration

The following plans and programs do not currently integrate the goals, risk assessment and/or recommendations of the hazard mitigation plan, but provide an opportunity for future integration:

- ❖ Grant participation opportunities (FEMA) which the city will collaboratively work on, with the Fire and Sheriff's departments
- ❖ Participation in more rating programs and will work collaboratively with the Fire and Sheriff's departments
- ❖ Mutual Aide Agreements-San Mateo County Public Works Mutual Aid Agreement has been established in 2015. Protocols and Standard Operating Procedures have also been established
- ❖ Update Flood Damage Prevention Ordinance to 2004 standards
- ❖ Increased integration with public outreach initiatives

12.5 Jurisdiction-Specific Natural Hazard Event History

Table 12-6 lists all past occurrences of natural hazards within the jurisdiction.

TABLE 12-6. NATURAL HAZARD EVENTS

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Crestview Landslide & Pinehurst Court		February 2000	\$11,000,000
Sleepy Hollow, Clearfield & Morningside Landslide	DR-1203	February 1998	Unknown
1989 Loma Prieta Earthquake	DR-845	October 1989	Unknown
Landslide @ 21 & 25& 29 Via Canon	DR-677	February 1983	Not available

12.6 Jurisdiction-Specific Vulnerabilities

Repetitive loss records are as follows:

- ❖ Number of FEMA-identified Repetitive-Loss Properties: 0
- ❖ Number of FEMA-identified Severe-Repetitive-Loss Properties: 1
- ❖ Number of Repetitive-Loss Properties or Severe-Repetitive-Loss Properties that have been mitigated: 0

Other noted vulnerabilities include:

- ❖ City Water Storage Tanks are not up to current seismic codes. Tanks have been in service since 1970 and have passed their useful life. The City of Millbrae recently completed the Water Storage Tanks Master Plan and is actively seeking funding to implement the projects recommended in the Master Plan.



- ❖ Aging water distribution system. Majority of the 75 miles of water distribution system are also over 60 years old and in urgent need of replacement and retrofit
- ❖ Aging sanitary sewer collection system. Majority of the 55 miles sanitary sewer mains are over 60 years old and in urgent need of replacement.

12.7 Hazard Risk Ranking

Table 12-7 presents the ranking of the hazards of concern.

TABLE 12-7. HAZARD RISK RANKING

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Earthquake	48	High
2	Severe Weather	33	Medium
3	Flood	18	Medium
4	Landslide	18	Medium
5	Drought	3	Low
6	Dam Failure	0	Low
7	Wildfire	0	Low

12.8 Hazard Mitigation Action Plan and Evaluation of Recommended Actions

Table 12-8 lists the actions that make up the City of Millbrae hazard mitigation action plan. Table 12-9 identifies the priority for each action. Table 12-10 summarizes the mitigation actions by hazard of concern and the six mitigation types.

TABLE 12-8. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Action #MB-1: Water System Inter-Tie with San Francisco Airport						
Existing	Drought, Earthquake	2, 4, 5, 7, 8, 10 & 11	City of Millbrae	Medium	Water Enterprise Fund	Short Term
Action #MB-2: Water Storage Tanks Seismic Upgrade/Retrofit/Replacement						
Existing	Drought, Earthquake	2, 4, 5, 7, 8, 10 & 11	City of Millbrae	High	Water Enterprise Fund & SRF	Long Term
Action #MB-3: Tree Trimming Program						
New & Existing	Severe Weather, Wildfire	1 & 2	City of Millbrae	Low	General Fund	On Going
Action #MB-4: Emergency Evacuation Warning System & Shelter						



TABLE 12-8. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Existing	Earthquake, Landslide, Wildfire, Flood, Tsunami	2, 3, 6, 9 & 10	City of Millbrae	High	General Fund	Long Term
Action #MB-5: Construct New Public Works Corporation Yard West of US101						
New	Earthquake, Flood, Tsunami	1, 4, 6 & 11	City of Millbrae	High	General Fund & Enterprise Funds	Long Term
Action #MB-6: Inspect and Retrofit Millbrae Avenue Overpass						
Existing	Earthquake	1, 4, 6 & 11	City of Millbrae	Medium	General Fund	Ongoing
Action #MB-7: Retrofit, acquire, or relocate the identified SRL property within Millbrae.						
Existing	Flood	1,3,4,5,6,7, 8,11	City of Millbrae	High	HMGP, PDM	Long Term
Action 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.						
Existing	All	1, 3, 4, 5, 6, 7, 11	Jurisdictions	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action G-2 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.						
New and existing	All	All	Jurisdictions	Low	General Fund	Long-term
Action 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.						
New and existing	Flooding	2, 3, 5, 6, 8	San Mateo County Unincorporated and Municipalities with SFHAs	Low	General Fund	Short-term and ongoing
Action G-4 —Where feasible, implement a program to record high water marks following high-water events.						
New and existing	Flooding, Severe Weather	1, 3, 4, 5, 6	Jurisdictions	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action G-5 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.						
New and existing	All	1, 2, 3, 4, 5, 6, 7, 8, 10	Jurisdictions	Low	General Fund	Short-term
Action G-6 —Provide incentives for eligible non-profits and private entities, including homeowners, to adapt to risks through structural and nonstructural retrofitting.						
New and existing	All	2, 3, 4, 5, 6, 7, 8, 10, 11	Jurisdictions	Low	Operating Budgets	Ongoing
Action G-7 — Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.						





TABLE 12-8. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
New and existing	All	All	Jurisdictions	Low	General Fund	Short- and long-term

Action G-8— Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.

New and Existing	All	1, 4	Jurisdictions	Low	Staff Time, General Funds	Short-term
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TABLE 12-9. MITIGATION STRATEGY PRIORITY SCHEDULE

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Implementation Priority ^a	Grant Priority ^a
MB-1	7	High	Medium	Yes	No	Yes	High	Low
MB-2	7	High	High	Yes	Yes	No	High	High
MB-3	2	Medium	Low	Yes	No	Yes	Medium	Low
MB-4	5	High	Medium	Yes	Yes	No	Low	Low
MB-5	4	High	High	Yes	No	No	Low	Low
MB-6	4	High	Medium	Yes	Yes	No	Medium	Medium
MB-7	8	Medium	High	No	Yes	No	Medium	Medium
G-1	7	High	High	Yes	Yes	No	High	High
G-2	11	High	Low	Yes	No	Yes	High	Low
G-3	5	Medium	Low	Yes	No	Yes	High	Low
G-4	5	Medium	Medium	Yes	Yes	Yes	Medium	Medium
G-5	9	Medium	Low	Yes	No	No	Medium	Low
G-6	9	Low	Low	Yes	No	Yes	Low	Low
G-7	11	Low	Low	Yes	No	Yes	High	Low
G-8	2	Low	Low	Yes	No	Yes	High	Low

a. See the introduction to this volume for explanation of priorities.





TABLE 12-10. ANALYSIS OF MITIGATION ACTIONS

Hazard Type	Action Addressing Hazard, by Mitigation Type ^a					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Drought						MB-1 MB-2
Flood						MB-4 MB-5 MB-7
Earthquake		MB-2 MB-6				MB-4 MB-5
Landslide					MB-4	
Severe Weather	MB-3				MB-4	

a. See the introduction to this volume for explanation of mitigation types.

12.9 Future Needs to Better Understand Risk/Vulnerability

None

12.10 Additional Comments

Approximately four year ago, the San Mateo County Sheriff’s Office Millbrae Patrol Bureau, along with other public safety partners such as, EMS, SamTrans, County offices of Probation, Public Works, Coroner’s Office and others, operate on a 700Mhz trunked two-way radio system using ‘P25’ technology. P25 is the industry standard for mission critical use and has proven functionality for interoperable communication amongst like users. Since the installation of this technology five years ago, the County has made it a priority to maintain the system and has recently funded radio infrastructure upgrades to: double channel capacity, ensure upgrades keep the system reliable, add additional frequencies and increase licensing. These upgrades will allow more agencies of any public safety discipline to join the system and provide more capacity in the event of a catastrophic emergency.

The budget for F/Y 2016-17, will include funding for an Emergency Preparedness Coordinator position. The coordinator will be responsible for reviewing relevant plans/documents to determine compliance with CalEOS/FEMA requirements and to provide training for City staff.

Below is a list of current City Municipal Operations Programs and Projects. Millbrae also has an extensive list of Communitywide Programs and Projects.

Municipal Operations Programs and Projects:

- ❖ Installed the co-generation system and grease receiving station at the City’s Water Pollution Control Plant in 2006, which increased the bio-gas and related energy production.
- ❖ Implemented the Clean Energy Project in 2012, which included a number of measures that reduce GHG emissions in the City’s government operations.
- ❖ Certified City Hall and the Library as Green Businesses and promote the program to businesses.





- ❖ Currently participating in Demand response Program/Energy Alert Days to reduce energy during peak demand by turning off lights, equipment and appliances. Participating City facilities included City Hall, Police Department and the Library.
- ❖ Off-set municipal greenhouse gas emissions through PG&Es Climate Smart Program from 2008-2012, reducing a cumulative total of 1.36 MMTCO₂e.
- ❖ Participate in winter and summer Spare the Air Day alerts to inform employees and the community on measures for reducing air pollutants.
- ❖ Implement the Commuter Options and Incentives Program to promote alternative transportation modes to reduce single occupancy driving.
- ❖ Installed LED lights in traffic lights in 2010.
- ❖ Upgrade interior and exterior lighting to energy-saving technology.
- ❖ Upgrade five City parks with smart irrigation controllers to save energy and water.
- ❖ Certify City Hall and Library as Green Businesses and promote the program to other businesses.









