



APPENDIX A

References





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APPENDIX B

Steering Committee Charter Ground Rules





STEERING COMMITTEE CHARTER

San Mateo County Hazard Mitigation Plan Update

PURPOSE OF THE STEERING COMMITTEE

The name of this organization shall be the San Mateo County Hazard Mitigation Plan Steering Committee, hereafter referred to as the Steering Committee (SC). The purpose of the SC shall be to:

- Provide guidance and leadership, oversee the planning process, and act as the point of contact for local governments and the various interest groups interested in this planning effort.
- Solicit a wide range of input into the planning process and advocate for public involvement.
- Educate all participants in flood hazard mitigation planning.

Members of the SC were selected to represent a cross-section of views and interests within the planning area. Through this inclusion of diverse interests, the SC hopes to enhance the robustness of the planning effort and to build support for hazard mitigation activities across stakeholder groups. A successful planning effort will result in the adoption and approval of a HMP that sets the stage for reducing adverse impacts of natural hazards within the County through activities and strategies embraced by both elected officials and their constituents.

CHAIRPERSON AND VICE CHAIRPERSON

David Pucci has been selected as the chairperson and **Bart Spencer** has been selected as the vice chairperson of the SC. The role of the chairperson is to:

- Lead meetings so that agendas are followed and meetings adjourn on-time;
- Allow all members to be heard during discussions;
- Moderate discussions between members with differing points of view; and
- Be a sounding board for staff in the preparation of agendas and how to best involve the full Committee in work plan tasks.

The role of the vice chairperson is to assume the duties of the chair when the chair is not able to attend a meeting or forum.

QUORUM

A quorum for the SC will be six members. When less than six members are present at a meeting, items listed on the agenda may still be reviewed and discussed; however, any committee action as to those items will be postponed until a quorum is present. SC members will be considered present if they attend the meeting in-person or via teleconference. Members may also delegate their voting power to other members of the SC to vote in their absence, and/or select an alternate from their agency. To vote by proxy, SC members must inform the planning team at least one week in advance.

ALTERNATES

Committee members were selected for the SC based on their specific backgrounds and perspectives on matters related to hazard mitigation. Regular attendance by members is needed to understand the issues presented, identify and reflect on various stakeholder perspectives, and reach agreements on plan recommendations. However, there may be circumstances when regular members cannot attend. To address these circumstances, alternates may be designated for each SC member. An alternate attending on behalf of a SC member shall have the same rights and responsibilities as the SC member during that meeting. Alternates will be included on all SC emails and should stay informed of the business of the SC.

DECISION-MAKING

The SC will strive for consensus in its decision-making process. If consensus cannot be reached as to a particular item or issue, the SC's decision will be determined by a majority vote of the Committee members in attendance at the meeting, and the meeting minutes will reflect the number of votes in favor, opposed and in abstention.

RECOMMENDATIONS

The Committee's recommendations will be recorded in the meeting summaries and reflected in the HMP as appropriate. The Committee may also be asked to assist in public presentations of the Plan and its recommendations.

STAFFING

The Planning Team for this project includes appropriate representatives from San Mateo County Office of Emergency Services along with contract consultant assistance provided by Tetra Tech, Inc. The Planning Team will schedule meetings, distribute agendas, prepare information/presentations for Committee meetings, write meeting summaries, and generally seek to facilitate the Committee's activities.

David Pucci will be the designated spokesperson for this planning effort.

MEETING DATES

Meetings generally will be conducted on the 1st Tuesday of each month from 9:00 AM to 12:00 PM at the Belmont Emergency Operations Center located at 1 Twin Pines Lane, Belmont, CA or via conference call. Meetings will be open to the public and advertised as such.

ATTENDANCE

Participation of all Committee members in meetings is important and members should make every effort to attend each meeting. If Committee members cannot attend, they should inform the planning team before the meeting is conducted. If a primary member and his or her alternate miss three consecutive meetings or four

cumulative meetings over the course of the planning process, the member will be relieved of his or her membership on the SC. If a member of the SC needs to resign from the Committee, the designated alternate will be asked to take his or her place on the SC. The new primary member may then designate an alternate.

PUBLIC INVOLVEMENT

All Steering Committee meetings will be open to the public. Members of the public wishing to address the SC at a meeting may do so based on the following protocol:

- Requests to be heard must be made to the Chairperson of the Steering Committee by submitting a completed speaker request form to the Chairperson before the meeting is called to order . Speaker request forms shall ask for the following information :
 - Agenda item number to be discussed or Public Comment
 - If the person is in favor/opposed to the agenda item (if applicable)
 - Person’s name
 - Person’s telephone number (optional)
 - Person’s address (optional)
 - Name of organization (if applicable)
 - A brief summary of the person’s position on the matter (optional).
- Each member of the public will be granted a total of 3 minutes to address their topics of concern. This allotted time cannot be aggregated or passed on to another individual.
- All comments must have relevance to the Hazard Mitigation Plan and the planning area. Relevance will be determined by the Chairperson.

A member of the public may request clarification from the SC by raising his or her hand during the normal course of the meeting; however, permission to speak will be granted at the discretion of the chairperson.

The SC will strive to post meeting agendas on the County Hazard Mitigation website 72 hours prior to all scheduled meetings.

COURTESY

Committee members should treat each other with respect, listen to each other, work cooperatively, and allow all members to voice their opinions.

STEERING COMMITTEE MEMBERSHIP

Agency	Steering Committee Member
Redwood City	David Pucci
Burlingame/Hillborough	Bart Spencer
San Mateo County Planning	Roberto Bartoli
Pacifica	Joseph Spanheimer
Belmont	Patrick Halleran
Community College District	Thomas Maloney
South San Francisco	Kenneth Anderson
Woodside Fire District	Daniel Ghorso
East Palo Alto	Daniel Berumen
San Mateo County OES	Bradley Hartzell



APPENDIX C

Steering Committee Agendas/Meeting Notes & Planning Partner Participation



San Mateo OA Hazard Mitigation Steering Committee Meeting

STEERING COMMITTEE				San Carlos	Belmont	Belmont	Belmont	Belmont	Belmont	Belmont
Voting	NAME	ORGANIZATION / AGENCY	EMAIL	12/1/2015	1/5/2016	2/2/2016	3/1/2016	4/5/2016	5/3/2016	6/7/2016
yes	Bart Spencer	Burlingame/Hillsborough	bspencer@ccfd.org	yes	yes	yes	yes	yes	yes	<i>BS</i>
yes	Dave Pucci	Redwood City	dpucci@redwoodcity.org	yes	yes	no	yes	yes	no	<i>DP</i>
yes	Joe Spanheimer	Pacifica	spanheimerj@pacificapolice.org	yes	yes	yes	yes	yes	yes	<i>JS</i>
yes	Pat Halleran	Belmont	path@belmont.gov	yes	yes	yes	no	yes	yes	<i>PH</i>
yes	Tom Maloney	Community College District	maloneyt@smccd.edu	yes	yes	yes	yes	yes	yes	<i>T.M.</i>
yes	Ken Anderson	South San Francisco	ken.anderson@ssf.net	yes	yes	yes	yes	yes	yes	<i>KA</i>
yes	Dan Ghiorso	Woodside Fire District	dghiorso@woodsidefire.org	no	yes	yes	yes	yes	yes	<i>DG</i>
yes	Rob Bartoli	San Mateo County	rbaroli@smcgov.org	yes	yes	yes	yes	yes	yes	<i>KB</i>
yes	Dan Berumen	East Palo Alto	dberumen@cityofepa.org	yes	no	by phone	yes	yes	yes	<i>DB</i>
yes	Brad Hartzell	OES	bhartzell@northcountyfire.org					yes	yes	<i>BH</i>
no	Brian Molver	OES	bmolver@smcgov.org	no	yes	no	no			
	Steve Mahley	OES	smahaley@smcgov.org	no	yes	no	no	yes	yes	<i>SM</i>
	Christy Adonis	Redwood City	cadonis@redwoodcity.org	no	yes	yes	no	no	no	—
	Srijesh Thapa	public	srijesh@protonmail.com	yes	yes	yes	yes	yes	yes	—
	Michelle Durand	SMCO Communication Ofcr	mdurand@smcgov.org			yes	no	yes	yes	—
	Michael Barber	SMCO Supervisor's OFC	mbarber@smcgov.org					yes	no	—



San Mateo County Hazard Mitigation Plan-Update

1st Steering Committee (SC) Meeting

Tuesday, December 1, 2015

0900-1200

735 Industrial Rd., San Carlos

Welcome and Introductions

- Group Introductions
- Review Agenda

The Steering Committee's Role

- SC Purpose
- SC Expectations
- SC Organization
- SC Charter

Update Process and Schedule

- Steering Committee Meeting Objectives Schedule

Plan Review

- Discuss and Confirm Hazards of Concern
- Discuss Current Plan Goals/Objectives
- Discuss Mission/Vision Statement

Public Involvement Strategy

- Two Public Engagement Meetings
- Additional Outreach Capabilities (suggestions welcomed)
 - Websites
 - Questionnaires
 - Press/media

Action Items and Next Steps

- Document and Data Request
- Review Existing San Mateo County and CA State HMP
 - Identify changes/enhancements to be included in existing HMP
- Confirm Hazards of Concern, Goals, and Public Involvement Strategy
- Define and Confirm Critical Facilities
- Update the Risk Assessment

Adjourn



MEETING MINUTES

Date of Meeting:	December 1, 2015
Location:	735 Industrial Road, San Carlos, CA
Subject:	Steering Committee No. 1
Project Name:	San Mateo County Hazard Mitigation Plan Update
In Attendance:	Steering Committee: David Pucci, Bart Spencer, Joe Spanheimer, Pat Halleran, Tom Maloney, Ken Anderson, Rob Bartoli, Dan Berumen, Carlo Wei, Srijesh Planning Team: David Pucci, Bart Spencer, Rob Flaner, and Caitlin Kelly Non-voting Attendees: 0
Not Present:	Jessica Cerutti (planning team)
Summary Prepared by:	Caitlin Kelly – 12/8/2015
Quorum – Yes or No	Yes (9 voting members present)

Item

Action

Welcome and Introductions

- Rob Flaner and Caitlin Kelly opened the meeting and facilitated group introductions.
- The Agenda was reviewed and no modifications were made.
- Distributed handouts included: Agenda, Suggested Charter, Hazard Mitigation Plan (HMP) Planning Schedule, Hazards of Concern, 2010 Mitigation Goals and Objectives, and Proposed Mission/Vision Statement.
- No requests for comment were made.

The Steering Committee's Role

In order for the steering committee (SC) to obtain a better understanding of their roles and responsibilities, Ms. Kelly clarified the committee's purpose and the planning team's expectation for the committee. Ms. Kelly explained that the SC is an advisory body that is expected to attend all planning meetings and contribute their opinions to facilitate the planning process.



Item

Action

Review Proposed Charter

The Proposed Steering Committee Charter was reviewed and the following was identified and agreed to by the SC:

- David Pucci has been selected as the chairperson.
- Bart Spencer has been selected as the vice chairperson.
- The total number of SC members is unknown at this time. David Pucci will reach out to others who identified interest to serve on the steering committee. Final number and quorum will be determined at January Steering Committee Meeting.
- David Pucci will be the designated spokesperson for this planning effort, or be responsible for informing the County Public Information Officer (PIO) on the HMP planning process subject matter.
- Meetings generally will be conducted on the 1st Tuesday of each month from 9:00am – 12:00pm. Exceptions may be made for holidays and other events as they arise. The next meeting will be January 5, 2016.

Tetra Tech will revise the Charter to incorporate SC comments and provide further detail on proxy voting and attending meetings via teleconference.

David Pucci will reach out to individuals who expressed interest in serving on the steering committee.

All steering committee members will identify an alternate for the next SC meeting.

Update Process and Schedule

Ms. Kelly explained that Tetra Tech is following a phased planning approach in which many phases are being completed concurrently. She then reviewed the planning schedule and asked if the SC could anticipate potential conflicts with the current schedule. All members agreed that the schedule looked attainable with no immediate scheduling conflicts.

Plan Review

After the December Steering Committee Meeting, Tetra Tech requested the SC review the 2010 San Mateo County HMP and the 2013 California State HMP and provide feedback by Thursday - December 31, 2015.

Bart Spencer will send out a reminder to the SC to review the existing San Mateo County and State of California HMP. Links to both plans will be included in the email reminder.

Hazards of Concern

The 2010 hazards of concern and the 2013 California State hazards of concern were discussed in order to identify which hazards should be profiled in the HMP update. A quorum was reached to profile the following hazards in the HMP update:

- Climate Change
- Drought
- Earthquakes

Tetra Tech will develop specific questions to ascertain the Steering Committee's thoughts and gather feedback on the 2010 San Mateo County HMP. Feedback should be provided by COB Friday, December 31, 2015.



Meeting Minutes

Item	Action
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- Floods
- Landslides
- Severe Weather
- Tsunamis
- Wildfires
- Dam and Levee Failures

The steering committee should identify changes/enhancements for inclusion into the updated San Mateo County HMP.

The Steering Committee determined that climate change will be a standalone profile as opposed to being discussed in each separate hazard profile.

The steering committee also determined to profile "Other Hazards". These hazard profiles will follow the same outline as the hazards of concerns, however their vulnerability assessment will be qualitative rather than quantitative. These hazards will also not be included in the risk ranking exercise. The Steering Committee agreed to profile the following "other hazards":

- Hazardous Materials Release (oil spills will also be discussed in this profile)
- Pipeline and Tank Hazards
- Terrorism
- Airline Crashes
- Cyber Threats

Goals and Objectives

Ms. Kelly presented the Mitigation Goal Exercise handout, which had the goals from the 2010 Multi-Jurisdictional Local Hazard Mitigation Plan for the San Francisco Bay Area, the San Mateo General Plan – Natural Hazards Policies, and the 2013 California Multi-Hazard Mitigation Plan. The committee unanimously determined they were not satisfied with the 2010 goal and will need to develop new goals for the 2016 HMP. In order to assist with this process, Tetra Tech will disseminate a SurveyMonkey exercise.

Tetra Tech will develop and disseminate a SurveyMonkey exercise to receive SC feedback regarding the San Mateo County HMP goals.

Mission/Vision Statement

The Steering Committee determined they wanted to develop a mission/vision statement for the 2016 HMP update. Ms. Kelly then presented examples of mission/vision statements. From those examples, the Steering Committee decided that example 6 from the handout was best suited for San Mateo, with a few minor edits. Tetra Tech will revise

Tetra Tech will revise the example 6 vision statement and forward to SC for approval.



Item

Action

the vision statement by incorporating steering committee feedback and developing a 6th line regarding climate change.

Public Involvement Strategy

Ms. Kelly led a discussion on the planning team's introductory public involvement strategy. The planning team proposed having two public involvement meetings with the public being invited to all SC meetings. A HMP website will also house information and announcements for the planning effort. Ms. Kelly identified other potential outreach capabilities for this planning effort including: planning meetings, questionnaires, press releases/media involvement.

The planning team is open to discussing community outreach best practices and implementing those practices in their public involvement strategy. The public involvement strategy will be reviewed and discussed in further detail at the next SC meeting.

Action Items for Next Meeting

Action items identified for the next meeting include the following:

- The planning team will reach out to individual steering committee members for documents and data.
- The SC will review the existing San Mateo County (<http://planning.smcgov.org/local-hazard-mitigation-plan>) and California State HMP (http://hazardmitigation.calema.ca.gov/plan/state_multi-hazard_mitigation_plan_shmp)
- The SC will complete the goal setting exercise via SurveyMonkey.
- The SC will finalize the vision statement and SC charter.

The meeting adjourned at 11:00 AM

The next SC meeting is in person or via teleconference:

January 5, 2016 at 9:00 AM

Belmont EOC

1 Twin Pines Lane, Belmont CA

or

Meeting access number: 800-523-8437

Participant code: 519 767 6396



San Mateo County Hazard Mitigation Plan-Update

2nd Steering Committee (SC) Meeting

Tuesday, January 5, 2016

0900-1200

Belmont EOC

Welcome and Introductions

- Group Introductions
- Review Agenda

Confirm December Meeting Minutes, Charter, Vision Statement

- Review and Approve December Meeting Minutes
- Review and Approve Steering Committee Charter
- Review and Approve Vision Statement

Public Involvement Strategy

- Review Summary of Public Involvement Comments/Discussion on Future Meetings
- Tetra Tech Strategy
 - 2 Public Meetings
 - Additional Outreach Capabilities (Website / Questionnaires / Press / Media)

Plan Review

- Review Summary of Plan Comments
- Review Results of Goal Setting Exercise
- Review Critical Facilities Definition
- Risk Assessment Update
 - Hazard Scenarios Discussion

Action Items and Next Steps

- Confirm Objectives
- Confirm Critical Facilities Definition
- Approve Public Questionnaire
- Update Risk Assessment
- Discuss Capability Assessment
- Discuss Plan Maintenance
- Progress Report Update

Adjourn



MEETING MINUTES

Date of Meeting:	January 5, 2016
Location:	1 Twin Pines Lane, Belmont, CA 94002
Subject:	Steering Committee No. 2
Project Name:	San Mateo County Hazard Mitigation Plan Update
In Attendance:	Steering Committee: David Pucci, Bart Spencer, Joe Spanheimer, Pat Halleran, Tom Maloney, Ken Anderson, Dan Ghirso, Rob Bartoli, Brian Molver Planning Team: David Pucci, Bart Spencer, Rob Flaner, and Jessica Cerutti Non-voting Attendees: Steve Mahaley; Christy Adonis; Srijesh Thapa
Not Present:	Caitlin Kelly (planning team); Dan Berumen
Summary Prepared by:	Jessica Cerutti – 1/6/2016
Quorum – Yes or No	Yes (9 voting members present)

Item	Action
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Welcome and Introductions

- Rob Flaner opened the meeting and facilitated group introductions.
- The Agenda was reviewed and no modifications were made.
- Distributed handouts included: Agenda, Steering Committee Meeting #1 Minutes; Steering Committee Charter; Vision Statement; Summary of Public Involvement and Plan Review; Goal Setting Exercise Summary; Vision/Mission Statement; Critical Facilities Definition; Public Survey
- No requests for comment were made.
- No members of the public were present to address the Steering Committee.

Confirm December's Meeting Minutes, Charter, and Vision Statement

After facilitating group introductions and reviewing the agenda, Mr. Flaner asked the steering committee (SC) for any outstanding comments regarding the meeting minutes from SC#1. The SC indicated no issues and the SC#1 Meeting Minutes were approved.

Mr. Flaner brought attention to the SC Charter. The SC indicated that they were able to review the SC Charter, and Mr. Flaner explained that the only



Meeting Minutes

Item	Action
<p>outstanding issue was the quorum number. The number decided was six based on an eleven person Steering Committee.</p>	<p>Bart Spencer to confirm 11th SC member.</p>
<p>Mr. Maloney requested clarification regarding the number of voting members from San Mateo Office of Emergency Services (OES). At this time, Mr. Flaner reiterated the stakeholder types: participatory stakeholders who serve as voting members, and coordinating stakeholders who are informed non-voting member. The SC agreed that OES needs to remain a consistent presence throughout the planning process and should have a single vote from a primary participatory stakeholder or alternate. Other OES personnel present at SC meetings will be considered coordinating stakeholders.</p>	<p>Bart Spencer to confirm Capt. Geoff Balton of Colma as alternate.</p> <p>Dave Pucci and Rob Bartoli to identify their alternates.</p>
<p>The SC identified a need for alternates from the fire district, Redwood City, and county planning department.</p>	
<p>The SC voted to accept the Charter, as amended, with a designated 6-person quorum.</p>	<p>Tetra Tech to update the Charter and redistribute.</p>
<p>Mr. Flaner continued on to review vision statement, clarifying that while the vision statement is not a requirement from FEMA, it serves to provide a structure that supports the planning process. Upon further discussion, the SC decided to include an economic viability component to the vision statement. The SC voted to accept the vision statement, as amended.</p>	<p>Tetra Tech to update the vision statement and redistribute.</p>
<u>Public Involvement Strategy</u>	
<p>Ms. Cerutti initiated the discussion on the outreach strategy by reviewing SC comments on public involvement. The SC agreed that the previous plan outreach initiative only focused on a few public meetings and a more robust process is needed for this plan update. The SC agreed that this process needs to include a social media component due to the availability of such technology and the presence of large social media company headquarters (e.g. Facebook, YouTube) within San Mateo County. Mr. Maloney recommended that the ideal social media platform would be Facebook, given the platform's ability to provide real-time analytics in the form of public-facing "Likes" and "Shares." He also noted that while Twitter is another possible platform, the use of such is limited due to character confines and lack of measurability.</p>	
<p>Mr. Pucci suggested that a single entity should be identified as the major distributor of social media messaging as a way to coordinate and control a uniform message. He suggested that once this entity posts or pushes the uniformed message out, partnering organizations can share through their own platform.</p>	
<p>Mr. Halleran asked if SMCAAlert could be used in public outreach or if it served as strictly as an emergency notification system. Mr. Molver</p>	



Meeting Minutes

Item

indicated that SMCAAlert may only be used for emergency notification and using this service as a public outreach tool must be vetted and approved internally. Mr. Molver mentioned that the county Public Information Officer, Michelle Durand, could be a resource for maximizing outreach.

The SC also identified the need to designate a website lead for the development of the plan website. Mr. Flaner reminded the SC that development of a website is key in pushing out public information, particularly early on in the process. No consensus was reached regarding a solution.

Ms. Cerutti then shared the recommendation for SC members to attend community advisory committee meetings as a method of spreading the word about the HMP initiative. Mr. Pucci suggested attending the quarterly Emergency Services Council Meeting (ESCM). Upon further discussion, the SC agreed that the next ESCM on April 21st would serve as a preferred tool for both conducting the first public meeting and informing the Emergency Services Council. The SC suggested engaging community organizations, such as CERT and the American Red Cross, to make the first public meeting a multi-organization event for the community.

The SC suggested that the County Planning Commission Meeting could serve as the vehicle for the second public meeting. While this was not confirmed, this is a follow-on item for later SC meetings.

Ms. Cerutti focused next on the public survey, distributing a hard copy of the survey and reviewing the comments submitted by SC members. Mr. Maloney identified additional considerations for the survey regarding special purpose districts. Mr. Halleran suggested creating a narrative hook for the introduction to make the survey more approachable. The SC agreed that more clarification was needed throughout the survey regarding whether respondents live, work, and/or go to school in San Mateo County. Finally, the SC agreed that, in addition to English, the final survey should be translated and distributed in Spanish. Mr. Flaner asked if there were any additional languages that should be considered for translation. The SC did not believe additional languages were needed beyond Spanish and English.

Plan Review

Ms. Cerutti continued by reviewing the summary of plan comments submitted by members of the SC. The SC agreed with the summary and made note of issues associated with the Freedom of Information Act. Mr. Flaner assured that the plan will not include identifying information (such

Action

Brian Molver to invite PIO Michelle Durand to the next SC meeting.

Conduct first public meeting as an open house in coordination with community organizations prior to the April 21st ESCM (approx. 2:00pm). Additional coordination details to be discussed at a later time.

Dave Pucci to present the project at ESCM.

Steering Committee to discuss further options for Public Meeting 2.

Tetra Tech to update survey based on SC #2 comments and resend to the SC for a second review.

Rob Bartoli to look into county resources for Spanish translation assistance.

SC members to return comments on survey to Tetra Tech by Tuesday – January 19th.



Item

Action

as addresses) and will remain intentionally vague for the purpose of sensitive information protection.

Ms. Cerutti reviewed the results of the goal setting exercise. She reviewed the eight selected goals that received the highest percentage of votes as well as some additional items for consideration. The steering committee discussed the inclusion of an economic viability goal, but ultimately decided that it should be included in the vision statement. Ms. Cerutti recommended consolidating the first two selected goals into an overarching, combined goal of “Protect life and property”. The SC agreed. As a result, the following seven goals were selected and approved as the 2016 San Mateo Hazard Mitigation Plan:

1. Protect life and property.
2. Provide information to residents to better understand the hazards of the region and ways to reduce their personal vulnerability to those hazards.
3. Promote hazard mitigation as an integrated public policy and as a standard business practice.
4. Increase resilience of infrastructure and critical facilities.
5. Protect the environment.
6. Develop and implement mitigation strategies that use public funds in an efficient and cost effective way.
7. Improve community emergency management capability.

After the approval of the 2016 goals, Mr. Flaner initiated the discussion on establishing a critical facilities definition for the plan. Mr. Flaner presented two examples – a general definition to suit anticipated and unanticipated need, and a specific definition that identified explicit types of facilities (e.g. libraries, primary employer facilities, etc.). Mr. Pucci indicated a preference for the more general definition and the SC agreed. The SC added additional verbiage to further generalize the definition and approved it for plan purposes. The approved definition of a critical facility for the 2016 HMP update is as follows:

A structure or other improvement, public or private, that, because of its function, size, service area, or uniqueness, has the potential to cause serious bodily harm, extensive property damage, or disruption of vital socioeconomic activities if it is destroyed or damaged or if its functionality is impaired. Critical facilities may include but are not limited to health and safety facilities, utilities, government facilities, hazardous materials facilities, or vital community economic facilities.



Item	Action
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Mr. Flaner discussed the need for establishing hazard scenarios for some of the profiled hazards. The following scenarios and resources were discussed and approved by the SC for modeling:

Flood

- 10-year
- 100-year

Earthquake

- 7.9 (San Andreas)
- 7.2 (Hayward)
- 100-year Probabilistic

Dam Failure

- Daylight Scenario

During the discussion on the dam failure scenario, Ms. Adonis inquired as to how removal of dams will affect the communities and this planning effort. Mr. Flaner explained that FEMA will remap the affected areas once dam removal is completed. He indicated that current dam removal processes will not affect this plan update, but may affect the next.

Landslide

- Risk associated with soft soil on slope
- NHERP classification system

Severe Weather

- NOAA

Wildfire

- Fire and Resource Assessment Program (FRAP) maps

Tsunami

- CalOES Tsunami Evacuation Data

Drought

- Available drought maps

During the drought discussion, Mr. Spencer brought up the coastal flower farms. He said that these companies have irrigated fields and have suffered as a result of the current drought period. Mr. Flaner made note and indicated that Tetra Tech will look into the economic impact of the drought on these companies.

Action Items for Next Meeting

Action items identified for the next meeting include the following:



Meeting Minutes

Item	Action
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- Discuss detail of first public meeting
- Approve public questionnaire
- Update on the risk assessment
- Discuss the capability assessment
- Discuss plan maintenance
- Progress report update

The meeting adjourned at 11:50 AM

The next SC meeting is in person or via teleconference:

February 2, 2016 at 9:00 AM

Belmont EOC

1 Twin Pines Lane, Belmont CA

or

Meeting access number: 1-800-523-8437

Participant code: 519 767 6396



San Mateo County Hazard Mitigation Plan-Update

3rd Steering Committee (SC) Meeting

Tuesday, February 2, 2016

0900-1200

Belmont EOC

Welcome and Introductions

- Group Introductions
- Review Agenda

Confirm Meeting Minutes, Charter, Vision Statement

- Review and Approve January Meeting Minutes
- Finalize Steering Committee Charter
- Finalize Vision Statement

Public Involvement Strategy

- Review and Approve Public Questionnaire
- Discuss and Confirm April 21, 2016 Meeting Date and Details
 - Jurisdictional Workshop
- Discuss Website

Plan Review

- Review Results of Objective Setting Exercise
- Review DRAFT Table of Contents
- Discuss Plan Maintenance
- Discuss Capability Assessment
- Risk Assessment Update

Action Items and Next Steps

- Risk Assessment Update
- Discuss Risk Ranking
- Confirm Plan Maintenance

Adjourn



MEETING MINUTES

Date of Meeting:	February 2, 2016
Location:	1 Twin Pines Lane, Belmont, CA 94002
Subject:	Steering Committee No. 3
Project Name:	San Mateo County Hazard Mitigation Plan Update
In Attendance:	Steering Committee: Bart Spencer, Pat Halleran, Joe Spanheimer, Tom Maloney, Ken Anderson, Dan Ghiorso, Rob Bartoli, Dan Berumen (via conference call) Planning Team: Bart Spencer, Caitlin Kelly, Rob Flaner, and Jessica Cerutti Non-voting Attendees: Christy Adonis; Srijesh Thapa; Michelle Durand
Not Present:	David Pucci; Brian Molver
Summary Prepared by:	Jessica Cerutti – 2/8/2016
Quorum – Yes or No	Yes (8 voting members present)

Item

Action

Welcome and Introductions

- Ms. Kelly opened the meeting and facilitated group introductions.
- The Agenda was reviewed and no modifications were made.
- Distributed handouts included: Agenda, Steering Committee Meeting #2 Minutes; Revised Steering Committee Charter; Revised Public Survey; Capability Assessment Form
- No requests for comment were made.
- No members of the public provided comment to the Steering Committee.

Confirm December's Meeting Minutes, Charter, and Vision Statement

After facilitating group introductions and reviewing the agenda, Ms. Kelly asked the steering committee (SC) for any outstanding comments regarding the meeting minutes from SC#2. Mr. Bartoli and Ms. Durand requested correction of their names. With those corrections, the SC approved SC #2 Meeting Minutes.

Ms. Kelly brought attention to the SC Charter and asked if the SC would like to keep or remove the alternates section, given the SC's steady participatory rate during meetings thus far. The SC decided to provide alternates as per their jurisdictional annexes. A copy of the Charter was passed to the SC members who wrote in their designated alternate.

Tetra Tech to incorporate alternates and redistribute SC Charter.



Item

Action

Ms. Kelly then reviewed the vision statement with incorporated revisions from the last SC meeting. The vision statement was confirmed and approved.

Public Involvement Strategy

Ms. Kelly began the public involvement strategy discussion by providing the SC 2 minutes to review the finalized survey. After the review, Mr. Bartoli confirmed that the Planning Department will provide resources to translate the survey into Spanish. Ms. Kelly suggested targeting Spanish speaking populations via an email blast and Mr. Spencer agreed that this would be the preferred method for Spanish survey distribution. The SC considered developing a separate Spanish website, however Mr. Flaner suggested against this idea, recommending instead that the Spanish survey be linked on the English website due to time and resource constraints. The SC agreed that developing a separate Spanish website would not be conducive to the overall planning timeline. The survey was approved.

During the survey discussion, the project website was brought up by Mr. Flaner. Mr. Flaner stressed the need to have an active website before issuing a press release. Mr. Bartoli agreed and requested some reference regarding how the website should be set up according to process requirements.

After the survey discussion, Ms. Kelly asked about the tentative date of April 21st as the first public meeting. She reviewed the initial discussion from the previous SC meeting, noting that this potential meeting will be held before the Emergency Services Council Meeting (ESCM). Ms. Kelly reminded the SC of their previous discussion and asked them to expand on their expectations of what stakeholders should be invited to participate as part of an open house format. She recommended CERT, American Red Cross, Salvation Army, and RACES. Mr. Anderson additionally suggested ABAG. Mr. Ghiorso indicated that San Mateo OES should have contact information for the organizations who may want to participate in the open house.

During the open house discussion, Ms. Durand noted that there may be an issue with getting public participation from the coastal communities based on a bayside/coast side disconnect and travel to the public meeting site at Redwood City. Mr. Spanheimer agreed, noting that the northern part of the county may experience the same hesitation to come to Redwood City. Mr. Spencer also noted a possible issue with parking availability for the event. Ms. Durand suggested that county parking could potentially be dedicated for attendees, noting that attendees could get their parking validated. Mr. Anderson said that this was a possible solution, however, the SC needed to make sure that April 21st is not a jury

Mr. Bartoli to facilitate the Spanish translation of the survey and provide to Tetra Tech.

Tetra Tech will incorporate the Spanish version of the survey on Survey Monkey once received.

Tetra Tech to send Mr. Bartoli reference links to other planning websites.

Tetra Tech to send Ms. Durand the initial press release for PIO review.



Item

Action

duty day. Mr. Spencer suggested moving away from the ESCM date as a public meeting. He, in addition to Mr. Pucci and Ms. Durand, will investigate alternatives. Mr. Flaner suggested that it would be beneficial to keep the April 21st date as the potential first public meeting and encouraged the SC to promote this event. He said that at least one event should be conducted for public outreach with an attempt to reach as many people as possible with the understanding that not all members of the public will be willing to travel.

Mr. Spencer, Mr. Pucci, and Ms. Durand to investigate possible public meeting #1 alternative locations and dates to encourage greater countywide participation.

Ms. Kelly reminded SC members that public outreach is not confined to these types of open house events, but may also include presentations to neighborhood associations, survey distribution, television spots, and social media outreach. Mr. Maloney agreed and noted that alternative outreach to CERT members (e.g. surveys) will yield high results.

At this point, Mr. Anderson mentioned the Silver Dragon– an annual exercise conducted by the local health department to test distribution capability. Mr. Anderson explained that this exercise is used as an opportunity to distribute information to the community regarding local and regional health and emergency services messages. The SC agreed that Silver Dragon would be an ideal way to distribute mitigation materials to a captive audience, if possible.

Mr. Spencer and Mr. Anderson to look into distributing mitigation messages as part of Silver Dragon.

Ms. Durand then identified the need to engage some of the prominent tech companies within the area. Specifically she mentioned Facebook. Ms. Durand indicated that she was preparing to engage Facebook on other initiatives, and offered to include hazard mitigation on the discussion. She also discussed the need to use social media platforms as part of the overall public outreach strategy. Ms. Cerutti mentioned the need to develop a unified message for social media, ensuring consistency in messaging by designating a single source for message development which would then be pushed out to other organizations for use. Ms. Durand agreed and requested that SC members send her jurisdictional PIO contact information for messaging coordination. Ms. Durand also suggested involvement in the 2016 Disaster Fair last this year. She indicated that she will follow up at the Disaster Fair prep meeting to gather more information.

Ms. Durand to speak with Facebook HQ about hazard mitigation as part of an overall business engagement strategy.

SC to send jurisdictional PIO contact information to Ms. Durand: mdurand@smcgov.org.

Ms. Durand to vet public engagement in the Disaster Fair.

Mr. Anderson mentioned that he discussed hazard mitigation as part of an exercise the previous week. He asked Ms. Kelly if this counts as public engagement. Ms. Kelly confirmed and requested that Mr. Anderson send appropriate exercise materials for inclusion into plan appendices.

Mr. Anderson to send sign-in sheets, agenda, and a synopsis of the exercise/hazard mitigation discussion for inclusion into plan as public engagement.

After discussing the general public engagement strategy, Ms. Kelly talked about the Jurisdictional Annex Workshop (JAW), tentatively scheduled for April 20th. During this time, she asked the SC if a JAW would be beneficial.



Meeting Minutes

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The SC agreed that a JAW is necessary and Mr. Halleran indicated that he is currently trying to reserve the Belmont Sports Complex for the JAW. Mr. Spencer requested an overview of the JAW objectives and process and recommended splitting April 20th into two sessions. The SC agreed that the morning session would focus on municipalities while the afternoon session would focus on special districts.

Plan Review

Ms. Kelly then turned the SC's attention to the objectives. Mr. Flaner noted that the LHMP does not require objectives, but by selecting objectives for the plan, San Mateo County is allowed more flexibility in requesting post-disaster assistance for projects not identified in the plan.

Ms. Kelly reviewed the original objectives survey and indicated that Tetra Tech will revise the survey to make it more user friendly. Mr. Maloney recommended that the objectives included on the survey note the original plan goals from which they were taken. Mr. Ghiorso suggested against this recommendation, noting that as a SC member, he wanted to identify objectives based on best judgement of the SC instead of their original source. Mr. Maloney and the SC agreed with Mr. Ghiorso's statement, and the objectives survey will be resent by Tetra Tech to the SC for completion.

Ms. Kelly then drew attention to the draft table of contents. Mr. Flaner noted that the 2016 plan will restructure the previous update to make a more user-friendly and implementable plan. Mr. Flaner indicated that due to this restructuring, the planning process will mimic an initial plan as opposed to a plan update. Ms. Kelly then explained the anticipated timeline for review, including Sections 1, 2, and 3. She said that normally a SC would review Section 2 at once, however, she recommended breaking apart section 2, due to its large page count, into 2 sections to allow the SC more time to digest the information.

The discussion was then focused on jurisdictions not participating in the HMP update. Mr. Maloney asked about non-participating jurisdictions and community college properties located within these jurisdictions. Mr. Flaner explained that all jurisdictions, participating or not, will be assessed. Additionally, Mr. Flaner noted that since the community college district was developing a district annex, they would receive their own risk assessment for all of their facilities, including those located within a non-participating jurisdiction.

After reviewing the draft table of contents, Ms. Kelly brought up the issue of plan maintenance. She asked the SC about ideas to ensure regular update and implementation of the plan. Mr. Spencer

Action

Mr. Halleran to confirm reservation for Belmont Sports Complex on April 20, 2016.

Tetra Tech to develop and send an overview of the JAW to Mr. Spencer for distribution to participating jurisdictions.

SC to complete the revised objectives survey by February 12, 2016.



Meeting Minutes

Item

recommended plan maintenance procedures revolve around the San Mateo Emergency Manager's Association (EMA) meetings. He recommended that EMA dedicate one meeting per year for the purpose of hazard mitigation plan review and update. The SC agreed that this process was a natural fit, and indicated that the SC could easily be folded into the existing EMA group. Mr. Flaner then demonstrated available resources for simplifying the plan update process per the request of the SC.

Ms. Kelly then discussed the capability assessment. She showed the SC the blank capability assessment form and explained the process. She stated that Tetra Tech would complete the majority of the assessment template by researching open source information. However it was noted that for information not found through open source, Tetra Tech would reach out to SC members to provide that information.

Finally, Ms. Kelly concluded the meeting with an update on risk assessment development. She noted that nearly all requested data has been collected and sent to Tetra Tech.

Action

Mr. Spencer to confirm EMA as available platform for conducting the annual review and update of the 2016 San Mateo County HMP.

Action Items for Next Meeting

Action items identified for the next meeting include the following:

- Review and discuss Section 1 of the plan
- Discuss objectives survey results
- Update on the risk assessment
- Discuss risk ranking
- Confirm plan maintenance
- Progress report update

The meeting adjourned at 12:00 PM

The next SC meeting is in person or via teleconference:

March 1, 2016 at 9:00 AM

Belmont EOC

1 Twin Pines Lane, Belmont CA

or

Meeting access number: 1-800-523-8437

Participant code: 519 767 6396



San Mateo County Hazard Mitigation Plan-Update

4th Steering Committee (SC) Meeting

Tuesday, March 1, 2016

0900-1200

Belmont EOC

Welcome and Introductions, Approve Meeting Minutes and Public Comment

- Group Introductions
- Review Agenda
- Review and Approve February Meeting Minutes
- Public Comment

Plan Review

- Discuss and Confirm Objectives
- Review Plan Maintenance
- Review Section of the Plan (Part 1)
- Introduce Strengths, Weaknesses, Obstacles, Opportunities Brainstorm Session
- Risk Assessment Update

Risk Ranking

- Introduce Risk Ranking Strategy

Public Involvement Strategy

- Discuss Outreach Meetings
- Discuss Website

Action Items and Next Steps

- Confirm Risk Ranking
- Strengths, Weaknesses, Obstacle, Opportunities Brainstorm
- Discuss Action Plan Development
- Review Plan Review/Adoption
- Review Section of the Plan (Part 2A)

Adjourn



MEETING MINUTES

Date of Meeting:	March 1, 2016
Location:	1 Twin Pines Lane, Belmont, CA 94002
Subject:	Steering Committee No. 4
Project Name:	San Mateo County Hazard Mitigation Plan Update
In Attendance:	Steering Committee: Bart Spencer, David Pucci, Joe Spanheimer, Tom Maloney, Ken Anderson, Dan Ghiorso, Rob Bartoli, Dan Berumen Planning Team: Bart Spencer, David Pucci, Caitlin Kelly, Rob Flaner, and Jessica Cerutti Non-voting Attendees: Srijesh Thapa
Not Present:	Pat Halleran; Brian Molver
Summary Prepared by:	Jessica Cerutti and Caitlin Kelly – 3/13/2016
Quorum – Yes or No	Yes (8 voting members present)

Item

Action

Welcome and Introductions, Confirm Meeting Minutes, and Public Comment

- Ms. Kelly opened the meeting and facilitated group introductions.
- The agenda was reviewed and no modifications were made.
- Distributed handouts included: Agenda, Steering Committee Meeting #3 Minutes; Objective Exercise Results; Risk Ranking Overview; Plan Maintenance; Section 1
- No requests for comment were made.
- Members of the public did not address the Steering Committee.

Plan Review

Ms. Kelly began the Plan Review discussion with an overview of the Objectives Survey Results. She noted that the over half of the participants selected the same 10 objectives. In addition, she noted that eleven additional objective received less than half of the participant support. She asked the SC if they would like to review these eleven objectives or if they were satisfied with selecting the top ten. The SC indicated that they supported the selection of the top ten objectives. Mr. Flaner suggested that the SC consider adding one additional objective that received less than half of respondent support. This objective concerns repetitively damaged structures. He said that this objective was vital for the plan. The SC agreed to add the final eleventh objective per Mr. Flaner's

Tetra Tech to incorporate alternates and redistribute SC Charter.



Item

Action

recommendation. The final list of objectives for the San Mateo County Hazard Mitigation Plan are as follows:

1. Improve understanding of the locations, potential impacts, and linkages among threats hazards, vulnerability, and measures needed to protect life safety and health. (State Objective)
2. Establish and maintain partnerships among all levels of government, private sector, community groups, and institutions of higher learning that improve and implement methods to protect life and property. (State Objective)
3. Develop and provide updated information about threats, hazards, vulnerabilities, and mitigation strategies to state, regional, and local agencies, as well as private sector groups. (State Objective)
4. Encourage the incorporation of mitigation measures into repairs, major alterations, new development, and redevelopment practices, especially in areas subject to substantial hazard risk. (State Objective)
5. Promote and implement hazard mitigation plans and projects that are consistent with state, regional and local climate action and adaptation goals, policies, and programs. (State Objective)
6. Advance community resilience through preparation, adoption, and implementation of state, regional and local multi-hazard mitigation plans and projects. (State Objective)
7. Encourage life and property protection measures for all communities and structures located in hazard areas.(State Objective)
8. Actively promote effective coordination of regional and local hazard mitigation planning and action among state agencies, cities, counties, special districts, tribal organizations, councils of governments, metropolitan planning organizations, and regional transportation to create resilient and sustainable communities. (State Objective)
9. Improve systems that provide warning and emergency communications.
10. Promote dialogue between government representatives, private business, non-profit organizations, and the public regarding hazard mitigation. (Adapted from San Mateo General Plan)
11. Retrofit, purchase, or relocate structures in high hazard areas, especially those known to be repetitively damaged.

Next, Ms. Kelly covered the Plan Maintenance Section. She requested clarification from the previous SC Meeting discussion regarding the role of the San Mateo County Emergency Managers Association (EMA) as the vehicle for annual review. The SC agreed that EMA will designate certain



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meetings, approximately 2 times a year, dedicated to hazard mitigation review. During this time, SC members not normally associated with the EMA will be engaged to participate in the review. Mr. Flaner said that the plan maintenance strategy is important for both the countywide and jurisdictional maintenance process. He said that this overall strategy demonstrates an overall commitment to maintaining the plan. Additionally, Mr. Flaner stressed that, while there is no statutory requirement for annual progress reporting during this review process, such reporting provides benefits in time management during the next update.

Mr. Flaner then provided information on other best practices from other communities and counties regarding the plan maintenance strategy. He asked if the strategy would benefit from ramifications for non-participation. The SC agreed that hard ramifications would not benefit the County, however a structure and timeline conducive to open grant periods and jurisdictional progress reporting due dates is the best option. Mr. Pucci further explained that it would be the responsibility of the SC to engage jurisdictions that may be delinquent in annual progress reporting due to personnel. Mr. Ghiorso also noted that city leadership may be engaged to contact those responsible for progress reporting.

The SC agreed that plan maintenance discussion should be included as part of the Jurisdictional Annex Workshop (JAW) on April 20th.

Next, Ms. Kelly briefly reviewed Section 1 of the plan. She said that Tetra Tech will provide the SC with an electronic, editable version of the plan for providing comments. She requested that the SC provide comments in this document via track changes for easy document integration. She provided the SC with 2 weeks for Section 1 review.

Ms. Kelly’s discussion of Section 1 focused on the planning process. She noted that while this 2016 initiative is technically an update to the 2010 plan, the planning process language in Section 1 noted that the 2016 plan will be treated as a new plan. She explained that the reasoning behind this language was to demonstrate alignment with federal hazard mitigation planning requirements. Additionally, she noted the inclusion of a crosswalk that identifies what has changed between the 2010 plan and the 2016 plan. Mr. Thapa recommended the inclusion of a brief overview of the Association of Bay Area Governments (ABAG) – the entity responsible for the 2010 plan. The SC agreed that this information would benefit the 2016 plan.

Next, Mr. Flaner introduced the concept of the Strengths, Weaknesses, Opportunities, and Obstacles (SWOO) Session scheduled for April 5 during the next SC meeting. Mr. Flaner explained that regulation requires the identification of a comprehensive range of alternative actions. These

Tetra Tech to send updated Plan Maintenance Strategy language for review.

SC to review Plan Maintenance Strategy and Section 1 and return comments by March 22nd.

Tetra Tech to add overview of ABAG to Section 1.

Tetra Tech to provide draft word version of Section 1 for SC review.

Mr. Pucci to invite EMA and Oracle stakeholder to the April SWOO. Mr. Spencer to reach out



Meeting Minutes

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alternative are identified through the SWOO Session. He said that the SWOO Session will result in the development of a mitigation best practices document that will be provided to each planning partner for review and selection during the JAW. He explained the format of the SWOO Session, noting that each hazard will be discussed individually. The SC recommended inviting additional stakeholders and local subject matter experts to this session. Mr. Pucci offered to invite EMA members and Mr. Spencer offered to invite the Public Works Association. Mr. Maloney additionally recommended the participation of key private stakeholders, including Genentech, Oracle, and Facebook.

The SC agreed that the SWOO Session should occur during the second half of the monthly SC meeting. As a result, SC meeting #5 will begin as scheduled at 9:00am on Tuesday, April 5th and invitees to the SWOO will be invited to join at approximately 10:30am.

After the SWOO Session discussion, Ms. Kelly updated the SC on the status of the risk assessment. She noted that the SC will review the risk assessment in two sections for the purpose of minimizing the review burden on the SC. She noted that Tetra Tech is still receiving data on critical facilities.

Risk Ranking

Mr. Flaner next discussed the methodology for risk ranking. He noted that the Tetra Tech approach to risk ranking provides a quantitative analysis that best illustrates the need for mitigation action. Mr. Flaner explained that there is no statutory requirement for risk ranking, however the inclusion of such a process into the plan provides a better understanding of the overall impact of each hazard on the county and jurisdictions. He said that every FEMA project grant require a benefit-cost analysis that describes how annual avoided losses and probability of occurrence is translated into monetary value – a process achieved through HAZUS. The risk ranking is further accomplished by providing numeric weights to impact – with the greatest emphasis placed on population.

Mr. Flaner further explained that the quantitative assessment conducted as part of this planning process will be provided to each participating jurisdiction at the JAW. During this time, jurisdictions will be provided with an opportunity to use qualitative knowledge to change the quantitative data.

Mr. Flaner noted that natural hazards except climate change will be assessed and ranked in this manner. Mr. Ghiorso asked if jurisdictions will have access to neighboring jurisdiction information to compare and assess risk across a smaller regional plane. Mr. Flaner said that all

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to Public Works Association and Genentech for participation in addition to coordinating overall SWOO registration.

Mr. Pucci to follow up with San Mateo County Office of Emergency Services to engage the City Managers group and Facebook.

Tetra Tech to provide registration survey.



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Action

jurisdictions will have access to each other information, even for the City of San Mateo and Foster City, who are not participating in this planning process.

Public Involvement Strategy

Ms. Kelly requested clarification regarding the first public meeting on April 21st. The SC agreed that the presentation to the Emergency Service Council (ESC) is a vital public component to the outreach strategy, but the initial concept of an outside fair is not preferred. Mr. Spencer said that the coordinators of the June Disaster Preparedness Fair have been informed of the mitigation planning initiative and are open for planning partner participation.

Mr. Spencer to provide Tetra Tech with additional coordination information regarding the June Disaster Preparedness Fair.

Ms. Kelly next asked the SC if they had any initial thoughts on conducting the public plan review meeting which she anticipated to take place in July.

Finally, Ms. Kelly requested additional information on the status of the initial press release regarding the 2016 mitigation planning initiative. Mr. Bartoli said that he would follow up with Michelle Durand about the release.

Mr. Bartoli to follow-up on status of press release.

Mr. Bartoli discussed the status of the HMP website. He said that the website is now live and contains a link to the survey, a link to the previous plan, previous SC meeting minutes, and information on the project and upcoming steering committee meetings. He said that as the planning process continues, the website will be updated to additionally include the draft plan for public review and information on public meetings. Mr. Bartoli said that the planning department intends to keep the website live for the entire 5 year interim between planning updates.

Mr. Bartoli to send SC members the link to the HMP webpage.

Ms. Kelly closed the discussion on the public outreach topic by asking where the SC stood on Silver Dragon. Mr. Anderson said that he could print 1,700 copies of what the SC decides to push out.

Tetra Tech to develop a flyer for Silver Dragon.



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Action Items for Next Meeting

Action items identified for the next meeting include the following:

- Confirm Risk Ranking
- Strengths, Weaknesses, Obstacle, Opportunities Brainstorm
- Discuss Action Plan Development
- Review Plan Review/Adoption
- Review Section of the Plan (Part 2A)

The meeting adjourned at 11:04 AM

The next SC meeting is in person or via teleconference:

April 5, 2016 at 9:00 AM

Belmont EOC

1 Twin Pines Lane, Belmont CA

or

Meeting access number: 1-800-523-8437

Participant code: 519 767 6396



San Mateo County Hazard Mitigation Plan-Update

5th Steering Committee (SC) Meeting

Tuesday, April 5, 2016

0900-1200

Belmont EOC

Welcome and Introductions, Approve Meeting Minutes and Public Comment

- Group Introductions
- Review Agenda
- Review and Approve March Meeting Minutes
- Public Comment

Public Involvement Strategy

- Discuss Outreach Meetings
 - Emergency Services Council
 - June Public Safety Fair

Plan Review

- Review Plan Maintenance
- Review Section of the Plan (Part 1)
- Review Risk Ranking
- Discuss Plan Adoption
- Risk Assessment Update
 - FEMA DFIRM data
 - Hayward vs. San Gregorio
 - Sea Level Rise Exposure Analysis (1-6 Ft)

Action Items and Next Steps

- Review SWOO Results and Mitigation Catalogue
- Discuss Action Plan Development
- Review Section of the Plan (Part 2A)

Break

Strengths, Weaknesses, Obstacles, Opportunities Brainstorm Session

Adjourn



MEETING MINUTES

Date of Meeting:	April 5, 2016
Location:	1 Twin Pines Lane, Belmont, CA 94002
Subject:	Steering Committee No. 5
Project Name:	San Mateo County Hazard Mitigation Plan Update
In Attendance:	<p>Steering Committee: Bart Spencer, David Pucci, Joe Spanheimer, Pat Halleran, Tom Maloney, Ken Anderson, Dan Ghorso, Rob Bartoli, Dan Berumen, Brad Hartzell</p> <p>Planning Team: Bart Spencer, Brad Hartzell, David Pucci, Caitlin Kelly, Rob Flaner, and Jessica Cerutti</p> <p>Non-voting Attendees: Michael Barber, Michelle Durand, Srijesh Thapa, Steve Mahley</p>
Not Present:	All Voting Members Present
Summary Prepared by:	Jessica Cerutti and Caitlin Kelly – 4/15/2016
Quorum – Yes or No	Yes (all voting members present)

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Welcome and Introductions, Confirm Meeting Minutes, and Public Comment

- Ms. Kelly opened the meeting and facilitated group introductions, including an introduction of the newest voting SC member, Brad Hartzell representing San Mateo County OES.
- Distributed handouts included: Agenda, Steering Committee Meeting #4 Minutes; Risk Ranking; Revised Plan Maintenance
- The agenda was reviewed and no modifications were made.
- The SC March Meeting Minutes were reviewed and approved
- Members of the public did not address the Steering Committee.

Public Involvement Strategy

Ms. Kelly began the Public Involvement discussion with a review of scheduled outreach meetings. She stressed the importance of announcing these meetings via press release, noting the FEMA requirement for public notification is a minimum of two weeks prior to the public event. She noted that the first public meeting will take place on April 21st at the San Mateo County Emergency Services Council Meeting. Mr. Spencer then indicated that he would forward the draft press release to Ms. Durand to disseminate by April 7th. Ms. Kelly then

Mr. Spencer to provide Ms. Durand the public meeting press release sample language. Ms. Durand to disseminate press release regarding the 1st public meeting by April 7th.



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reviewed the anticipated discussion, noting that Mr. Flaner would be available as the Tetra Tech lead for the public meeting. Mr. Spencer said that he requested the ESC agenda address hazard mitigation first to avoid losing potential members of the public to and ESC administrative discussion. Ms. Kelly indicated that Tetra Tech would develop some basic materials for distribution to the ESC and members of the public including a survey flyer, overview of hazard mitigation, and an overview of the planning process.

Tetra Tech to develop handout materials for the April 21st and June 11th public meetings

Next, Ms. Kelly requested confirmation of booth acquisition for the June 11 Disaster Preparedness Day festivities. Ms. Durand and Chief Hartzell confirmed participation. Ms. Kelly said that Tetra Tech would develop additional materials for handout that are more conducive to the booth format. Mr. Flaner noted that the booth would have a HAZUS Workstation and associated explanation materials available for the public.

While on the subject of public outreach, Ms. Kelly asked the SC where they stood on the Silver Dragon exercise. The SC said that the approved Silver Dragon flyer was out for printing and would be included across all participating Silver Dragon jurisdictions with the exception of the City of San Mateo and Foster City.

Plan Review

Ms. Kelly spoke about the updated plan maintenance section of the plan. She noted a major revision since the previous SC meeting, stating that the primary entity responsible for plan maintenance was changed from EMA to San Mateo County OES. She said that EMA will still be the main body responsible for conducting annual reviews, but coordination of those reviews are the responsibility of San Mateo OES. The SC agreed and recommended a further revision regarding quarterly review instead of annual, noting that quarterly review would be the best option for maintaining plan currency.

Tetra Tech to revise plan maintenance to include quarterly review.

Next, Ms. Kelly briefly reviewed the revisions for Section 1. She thanked the SC for their input and said that Section 1 was included in the electronic meeting materials sent by Mr. Spencer and may be read at the SC's convenience. She noted the majority of changes were minor grammar and wording revision, but some edits were more substantial. Included in these substantial edits were the inclusion of ethnic demographic information, a description of the Association of Bay Area Governments (ABAG), and the softening of language regarding the previous plan's identified deficiencies.

Next, Ms. Kelly reviewed the outstanding questions for completing the risk assessment. Specifically, she requested clarification regarding data



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and scenarios for flood, earthquake, and sea level rise. She began with the flood discussion. She noted that multiple jurisdictions throughout the planning area are likely to appeal the maps and said that using the current effective FIRM is the best course of action. Mr. Flaner agreed, expanding on the planning requirement for best available data. He noted that best available data in this case is the current effective FIRM since an appeal by any jurisdiction would change the preliminary FIRM causing it to no longer be considered best available data. The SC asked about sea level rise, which would be a new feature to the preliminary FIRM not captured in the current effective FIRM. Mr. Flaner said that while the current effective FIRM will be used to conduct the risk assessment, the preliminary FIRM will be referenced for future assessments as best available data.

Ms. Kelly next asked the SC about the second desired earthquake scenario. She said that Tetra Tech is conducting an assessment based on the previously agreed upon San Andreas Fault Scenario, but wanted clarification on the desired second scenario. Mr. Flaner expanded on this discussion, explaining that the SC previously identified a South Hayward Fault scenario, however, through Tetra Tech’s risk assessment process, the San Gregorio fault located north of the County would have more impact than South Hayward. The SC agreed to use the San Gregorio scenario in lieu of the South Hayward scenario.

Finally, Ms. Kelly asked about the desired sea level rise assessment. The SC indicated that the County of San Mateo is currently developing a sea level rise report which may augment information contained within the LHMP. Ms. Kelly requested a copy of the draft report for the purpose of planning consistency across the sea level rise spectrum. Mr. Flaner asked the SC what level should be addressed in the LHMP. The SC agreed that the worst case scenario (6ft) should be included.

Due to time constraints, the agenda items of County-wide Risk Ranking and Plan Adoption was shelved until the May SC Meeting.

Strengths, Weaknesses, Obstacles, Opportunities

The SC meeting adjourned early at 10:20am in order to prepare for the conduction of the SWOO Session.

Action Items for Next Meeting

Action items identified for the next meeting include the following:

- Review/Confirm Risk Ranking
- Review SWOO Results and Mitigation Catalogue
- Discuss Action Plan Development



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- Review Section of the Plan (Part 2A)

The next SC meeting is in person or via teleconference:

May 3, 2016 at 9:00 AM

Belmont EOC

1 Twin Pines Lane, Belmont CA

or

Meeting access number: 1-800-523-8437

Participant code: 519 767 6396



San Mateo County Hazard Mitigation Plan-Update

6th Steering Committee (SC) Meeting

Tuesday, May 3, 2016

0900-1200

Belmont EOC

Welcome and Introductions, Approve Meeting Minutes and Public Comment

- Group Introductions
- Review Agenda
- Review and Approve April Meeting Minutes
- Public Comment

Public Involvement Strategy

- Emergency Services Council – Public Meeting #1 Overview
- Preparedness Fair – June 11th Public Meeting #2
- Public Survey Results

Plan Review

- Review Section of the Plan (Part 2A)
- Review Risk Ranking
- Review SWOO Results and Mitigation Catalogue
- Discuss Action Plan Development

Action Items and Next Steps

- Review Comments on Plan (Part 2)
- Review Section of the Plan (Part 3)
- Finalize Plan

Adjourn



MEETING MINUTES

Date of Meeting: May 3, 2016

Location: 1 Twin Pines Lane, Belmont, CA 94002

Subject: Steering Committee No.6

Project Name: San Mateo County Hazard Mitigation Plan Update

In Attendance: **Steering Committee:** Bart Spencer, Joe Spanheimer, Pat Halleran, Tom Maloney, Ken Anderson, Dan Ghiorso, Rob Bartoli, Dan Berumen, Brad Hartzell

Planning Team: Bart Spencer, Brad Hartzell, Caitlin Kelly, Rob Flaner, and Jessica Cerutti

Non-voting Attendees: Michael Barber, Michelle Durand, Srijesh Thapa, Steve Mahaley

Not Present: Dave Pucci

Summary Prepared by: Caitlin Kelly – 5/17/2016

Quorum – Yes or No Yes (all but one voting member present)

Item

Action

Welcome and Introductions, Confirm Meeting Minutes, and Public Comment

- Mr. Spencer opened the meeting and facilitated group introductions.
- Distributed handouts included: Agenda, Steering Committee Meeting #5 Minutes; Countywide Mitigation Action – Examples, and the Draft Profile for Drought
- The agenda was reviewed and no modifications were made.
- The SC April Meeting Minutes were reviewed and approved
- Members of the public did not address the Steering Committee.

Public Involvement Strategy

Ms. Kelly and Mr. Spencer began the Public Involvement discussion with an overview of the Emergency Services Council - Public Meeting #1. Mr. Spencer, stated that the meeting was well attended and that Tetra Tech provided a great presentation. Many of the council members were pleased. Ms. Kelly then opened the floor for additional feedback on the meeting – none was provided. Ms. Kelly then stated that Tetra Tech will be stationing a booth during the San Mateo Preparedness Fair, and this will count as the second public meeting. Tetra Tech will be available

Tetra Tech to develop handout materials for the June 11th public meetings

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during the fair to discuss key components of the draft 2016 HMP and answer questions. A computer workstation will also be available for citizens to view information on their property, including specific exposure and damage estimates for earthquake and flood hazard events. She stressed the importance of announcing these meetings via press release, noting the FEMA requirement for public notification is a minimum of two weeks prior to the public event. Next, Ms. Kelly requested that the press release for the 2nd public meeting be disseminated no later than May 27th. She informed the group, that Tetra Tech would draft sample language for the release and provide to Ms. Durand and Mr. Hartzell for their review by May 24th. Mr. Spencer then questioned whether CEQA language needed to be included in the press release. Mr. Bartoli informed the group that the County was currently seeking an exemption for the HMP, but he could not confirm at this time.

Tetra Tech to develop sample language for press release by May 24th.

Follow up from meeting - When the County adopts their Annex, they will be stating that the project is exempt from CEQA under Section 15183(d), Section 15262, Section 15306, and Section 15601(b)(3). The County will then be filing a Notice of Exemption with County Clerk for the unincorporated annex. If other local agencies determine that the LHMP is exempt under CEQA as well, then they can just state that in their report and if they wish to, they can file a Notice of Exemption with the County Clerk. There is no requirement to file the Notice of Exemption, instead, it will be up to each agency to decide what to do.

Since the project can be exempted from the County view, we will not be writing a separate environmental document. The only review time for the LHMP will be what is required by FEMA.

Planning Partners – Volume 2

Mr. Spencer then provided an overview of the planning partner’s participation in the planning process. He informed the group, that many of the planning partners have submitted their annexes on time and complied with deadlines. However, there are a few “problem children” who are behind on their submissions. Mr. Spencer then reviewed the options each jurisdiction has for the HMP update:

1. complete the process and submit required documents
2. opt out of the countywide effort, submit separately, and link with the County plan within 1 year of FEMA countywide approval (there are additional steps necessary for filing separately – i.e. public involvement strategy)



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- 3. not participate in LHMP program in which case neither the jurisdiction nor residents would be eligible for pre or post-disaster mitigation dollars

Ms. Kelly stated that linkage procedures will be provided as an annex to the HMP, and will include easy guidelines to follow.

Plan Adoption

Mr. Flaner then introduced the concept of adoption. He informed the group that they had two choices on how to proceed with adoption – batch adoption letters when submitting to CalOES and FEMA or not to batch. After an approval pending adoption (APA) is provided by FEMA, the official 5-year cycle for the HMP begins upon the submission of the first resolution. All jurisdictions must also adopt their plan within one year of that submission. After much discussion the group decided that batching was the best option, with some stipulations. Due to both the County’s and Pacifica’s pending grants, a time restraint should be included in the batch submission.

Mr. Flaner suggested to the group that each partner start queuing their council or adopting bodies now for the end of August. Ms. Kelly then informed the group, that Tetra Tech will be providing an “adoption packet” as an annex to simplify the adoption process for each participating partner.

Plan Review

Profiles

Ms. Kelly apologized to the group for not having the completed Part 2 of the plan for them to review. She stated that Tetra Tech did not have the correct accessor’s data, which delayed the finalization of the risk assessment. She informed the SC that Part 2 will be completed by the end of the week and that the draft profiles will be disseminated to the group by Monday, May 9th. She then stated that due to the size of the files, this will be done via Dropbox. She asked the group, if everyone was familiar with Dropbox – everyone confirmed they were. Ms. Kelly then reviewed the section headers of the draft drought profile, and provided an overview of the information contained in each section. She opened the floor to questions regarding the profile outlines – no questions were asked.

Risk Ranking

Tetra Tech will include language in the Adoption Section regarding batching resolutions for submission to CalOES and FEMA.

Tetra Tech to disseminate, via Dropbox, Part 2 of the HMP by Monday May 9th.

SC to review Part 2 of the Plan and the Risk Ranking results and provide feedback by May 20th.



Item	Action
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Mr. Flaner then reviewed the risk ranking tool in detail so that the steering committee could have an understanding of how the results were calculated. Along with Part 2 of the Plan, the steering committee will have 2 weeks for review the findings of the risk ranking and provide feedback. All feedback on Part 2 of the Plan and risk ranking will be due on May 20.

Mitigation Actions

Ms. Kelly focused the group's attention to the Area-Wide Mitigation Actions and Implementation handout. She stated that mitigation actions on a county-wide scale are generally very broad in nature and can be applied to any jurisdiction within the county or can be a program the county oversees. She then turned the conversation over to Mr. Flaner to review the sample mitigation actions and lead the discussion. After the review of the sample actions, the group decided to keep all actions except example 6 and example 7. Tetra Tech will tailor the sample to fit more closely with San Mateo's needs.

Action Items for Next Meeting

Action items identified for the next meeting include the following:

- Review Comments on Plan (Part 2)
- Review Section of the Plan (Part 3)
- Finalize the Plan



San Mateo County Hazard Mitigation Plan-Update

7th Steering Committee (SC) Meeting

Tuesday, June 7, 2016

0900-1200

Belmont EOC

Welcome and Introductions, Approve Meeting Minutes and Public Comment

- Group Introductions
- Review Agenda
- Review and Approve May Meeting Minutes
- Public Comment

Planning Partners

- Overview of Jurisdictional Participation

Public Involvement Strategy

- Preparedness Fair – June 11th Public Meeting #2
- CEQA Exemption
- Public Survey Results

Plan Review

- Review Comments on Part 2
- Review Risk Ranking Comments
- Review Part 3 of the Plan

Action Items and Next Steps

- Finalize Plan
- Submit Plan to CalOES and FEMA IX

Adjourn



MEETING MINUTES

Date of Meeting: June 7, 2016

Location: 1 Twin Pines Lane, Belmont, CA 94002

Subject: Steering Committee No.7

Project Name: San Mateo County Hazard Mitigation Plan Update

In Attendance: **Steering Committee:** Bart Spencer, Dave Pucci, Joe Spanheimer, Pat Halleran, Tom Maloney, Ken Anderson, Dan Ghorso, Rob Bartoli, Dan Berumen, Brad Hartzell (via phone)

Planning Team: Bart Spencer, Brad Hartzell (via phone), Caitlin Kelly, Rob Flaner, and Jessica Cerutti

Non-voting Attendees: Steve Mahaley

Not Present: All SC members present

Summary Prepared by: Jessica Cerutti – 6/17/16

Quorum – Yes or No Yes

Item

Action

Welcome and Introductions, Confirm Meeting Minutes, and Public Comment

- Mr. Spencer opened the meeting and thanked all participants for their commitment to the project throughout the process.
- Distributed handouts included: Agenda, Steering Committee Meeting #6 Minutes; Draft Section 3
- The agenda was reviewed and no modifications were made.
- The SC May Meeting Minutes were reviewed and approved
- No members of the public were present to address the Steering Committee.

Mr. Spencer provided a summary of the remaining items for plan completion, including public comment, adoption, and batching process. Ms. Kelly noted that members of the SC may make comments as part of the public review period.

Planning Partners

Ms. Kelly and Mr. Spencer began the discussion with an overview of the planning partners' annex status. They indicated that all partners have submitted their annex except for one. That jurisdiction was contacted and would provide a completed annex by June 8, 2016.



Item	Action
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Public Involvement Strategy

Ms. Kelly said that the logistics for the Disaster Preparedness Fair had been set. She invited SC members to come and visit and noted that the HAZUS workstation would be available for the public. She also noted that there would be various handouts available for public distribution, including general preparedness, hazard specific pamphlets, and, most importantly, the flyer inviting the public to review the plan.

CEQA

Next Mr. Bartoli explained that San Mateo County, on behalf of the unincorporated area, was seeking exemption from CEQA. He said that there were four different sections for this basis. He would provide these sections to the SC for the jurisdictions to consider and include in the plan. He noted that each jurisdiction should consult with their City Attorney regarding the exemption status for the LHMP.

Next, Ms. Cerutti reviewed the public survey results. She said that nearly 1,100 individuals completed the survey and indicated that a summary of these results would be provided in an appendix of the plan. Additionally, she noted that a separate survey was created and opened in order to capture public review comments.

Plan Review

Part 2 Comments

Ms. Kelly provided an overview of the comments received from the SC for Section 2. She noted that most comments revolved around grammar and formatting. She also stated that some comments dealt with information outside of the scope of the project, including data estimates on a Bay-Area scale. Finally, Ms. Cerutti noted that, for the dam failure profile in particular, information provided in the hazard profile was open source data, and that no sensitive data was included in the body of the profile. Mr. Flaner noted that critical facility datasets used to describe aggregate information is protected information.

Risk Ranking

Ms. Cerutti noted that some planning partners believed their wildfire risk should be higher than what was originally indicated. She said that upon receiving several of these types of comments and working with the risk assessment lead, data gaps were identified for the Towns of Portola Valley and Woodside. She noted that the risk assessment lead acquired



Item	Action
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more accurate data directly from CalFIRE and ranking was adjusted for these two jurisdictions.

Part 3










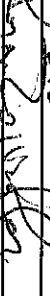



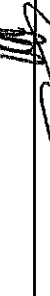




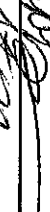
Ms. Kelly asked the SC to review part 3 during the meeting in order to capture immediate edits. The SC noted some edits, including revised numbering, consistency notes, and a confirmation of the county wide initiatives.

Action Items for Project Completion

Action items identified for project completion include the following:

- Revise/review based on public comment
- Submit Plan to CalOES and FEMA Region IX








SWOO Session 5 APR 2016

MUNICIPALITY	CONTACT	SWOO	CHECK IN	SWOO +1	CHECK IN
Atherton	Brian Mills				
Belmont	Pat Halleran	yes			
Brisbane	Randy Breault	yes			
Burlingame	Bart Spencer	yes		Martin Quan	
Colma	Michael Laughlin	yes			
Daly City	Clyde Preston	yes			
East Palo Alto	Daniel Berumen	yes			
Foster City	Jennelle Masterson	no			
Half Moon Bay	Carlo Wei	yes			
Hillsborough	Bart Spencer	yes		John Mullins	
Menlo Park	Ryan Zollicoffer	yes		Sherna Ignacio	
Millbrae	Colleen Haupt	yes			
Pacifica	Joe Spanheimer	yes			
Portola Valley	Jeremy Dennis	yes			
Redwood City	Dave Pucci	yes			
San Bruno	Dave Cresta				
San Carlos	Jay Walter				
San Mateo	Jennelle Masterson	no			
San Mateo County	Rob Bartoli	yes		Kathryn	
South San Francisco	Ken Anderson	yes	yes		
Woodside	Dong Nguyen	yes	yes		
T.M. MAHON	SFPD		TC		
BRAD WATZEL	DES	YES			
Michelle Durand	SMC	YES			
DES	STEVE MARANDA	YES			
S.M. County	Michael Barber	11	MDAS		

HMF WORKSHOP 20 APR 2015

MUNICIPALITY	CONTACT	WORKSHOP	CHECK IN	PAID
Atherton	Brian Mills	yes		
Belmont	Pat Halleran	<input checked="" type="checkbox"/>		
Brisbane	Randy Breault	yes		
Burlingame	Martin Quan	yes		
Colma	Michael Laughlin	no		
Daly City	Clyde Preston	yes		
East Palo Alto	Daniel Berumen	yes		
Foster City	Jennelle Masterson	no		
Half Moon Bay	Carlo Wei	yes		
Hillsborough	Bart Spencer	yes		
Menlo Park	Ryan Zollcoffer	yes		X
Millbrae	Colleen Haupt	yes		
Pacifica	Joe Spanheimer	yes		
Portola Valley	Jeremy Dennis	yes		
Redwood City	Dave Pucci	yes		
San Bruno	Jimmy Tan Tami Yuki Matt Jones	yes		
San Carlos	Jay Walker	no		
San Mateo	Jennelle Masterson	no		
San Mateo County	Rob Bartoli	yes		
South San Francisco	Ken Anderson	yes		
Woodside	Dong Nguyen	yes		

DES
Redwood City
STATE MANAGER YES
Christy Adonis YES
BT me
Melania

SPECIAL DISTRICT	CONTACT		CHECK IN	PAID
Belmont Fire Dist	Matt Lucett	yes		
Mid-Peninsula Water	Rick Bisio	yes		
North Coast Water	Chris Regnart	yes		
Woodside Fire Dist	Dan Ghorso	yes		
Colma Fire	Geoff Balton	no		
Westborough Water	Gary Ushiro	yes		
Jefferson Union HS Dist	John Schultz	yes		
Pacifica School Dist	John Hashizume	yes		
College District	Tom Maloney	✓		
Highland Recreational	Brigitte Shearer	yes		

PLANNING MEET

MUNICIPALITY	PRIMARY CONTACT	EMAIL	Check in
Atherton	Brian Mills	bmills@ci.atherton.ca.us	<i>BM</i>
S Belmont	Pat Halleran	phalleran@belmont.gov	<i>PH</i>
Brisbane	Randy Breault	rbreault@ci.brisbane.ca.us	<i>RB</i>
Burlingame	Bart Spencer	bspencer@centralcountyfd.org	<i>BS</i>
Colma	Sherwin Lum	sherwin.lum@colma.ca.gov	<i>SL</i>
Daly City	Clyde Preston	cpreston@dalycity.org	<i>CP</i>
East Palo Alto	Elizabeth Lam	elam@cityofepa.org	<i>EL</i>
Foster City	Jennelle Masterson	jmasterson@cityofsanmateo.org	<i>JM</i>
Half Moon Bay	Jill Ekas	JEkas@hmbcity.com	<i>JE</i>
Hillsborough	Bart Spencer	bspencer@centralcountyfd.org	<i>BS</i>
Menlo Park	Ryan Zollicoffer	ryanz@menlofire.org	<i>RZ</i>
Millbrae	Peter Voramentsanti	peterv@ci.millbrae.ca.us	<i>PV</i>
S Pacifica	Joe Spanheimer	ispanheimer@pacificapolice.org	<i>JS</i>
Portola Valley	Debbie Pedro	dpedro@portolavalley.net	<i>DP</i>
Redwood City	Dave Pucci	dpucci@redwoodcity.org	<i>DP</i>
San Bruno	Dave Cresta	DCresta@sanbruno.ca.gov	<i>DC</i>
San Carlos	Jay Walter	jwalter@cityofsancarlos.org	<i>JW</i>
San Mateo	Jennelle Masterson	jmasterson@cityofsanmateo.org	<i>JM</i>
San Mateo County	Rob Bartoli	rbartoli@smcgov.org	<i>RB</i>
S South San Francisco	Ken Anderson	ken.anderson@ssf.net	<i>KA</i>
Woodside	Dong Nguyen	dnguyen@woodsidetown.org	<i>DN</i>
SPECIAL DISTRICT	NAME	EMAIL	
Belmont Fire District	Matt Lucett	mlucett@belmont.gov	<i>ML</i>
Cal Fire	Mark Steward	mark.steward@fire.ca.gov	<i>MS</i>
Central County Fire Dept	Bart Spencer	bspencer@centralcountyfd.org	<i>BS</i>
Community College District	Tom Maloney	maloney@um.att.com MALONEY@SMCCD.EDU	<i>T.M.</i>
Menlo Park Fire District	Ryan Zollicoffer	ryanz@menlofire.org	<i>RZ</i>
Mid-Peninsula Water	Rick Bisio	rickb@midpeninsulawater.org	<i>RB</i>
NCCWD	Chris Regnart	cregnart@nccwd.com	<i>CR</i>
S Woodside Fire Dististrict	Dan Ghiorso	dghiorso@woodsidefire.org	<i>DG</i>

ADDITIONAL ATTENDEES

AGENCY / ORGANIZATION	NAME	EMAIL
Burlingame	Martin Quan	mquan@burlingame.org
Cal Fire	Bryan Farrell	bryan.farrell@fire.ca.gov
Colma	Michael Laughlin	michael.laughlin@colma.ca.gov
County OES	Jeff Norris	nguttuso@smcgov.org
East Palo Alto	Daniel Berumen	dberumen@cityofepa.org
East Palo Alto	Jerry Alcaraz	jalcaraz@cityofepa.org
Half Moon Bay	Carlo Wei	cwei@hmbcity.com
Hillsborough	John Mullins	jmullins@hillsborough.net
Menlo Park	Ron Lafarance	rlafarance@menlopark.org
Menlo Park	Brian Henry	bphenry@menlopark.org
North Coast County Water	Janice Zavalaclark	izavalaclark@nccwd.com
San Carlos	Frank Amoroso	famoroso@cityofsancarlos.org
San Carlos	Grace Le	gle@cityofsancarlos.org
San Carlos	Louis Duran	lduran@cityofsancarlos.org
Jefferson Union HS Dist	John Schultz	jschultz@juhsd.net
SMC OES	Nicole Pedon	nmagee@smcoe.org
San Mateo Co Mosquito & Vector Control	Brian Weber	bweber@smcmvcd.org
Mid Pen WD	Rene Ramirez	vramirez@midpenwildfire.org
Westborough WD	Gary Ushiro	gushiro@pcgen.org
City of Brisbane	Kau Johnson	kjohnson@cc.brisbane.ca.us
Highlands Rec	Brittne Shearer	brittnes@highlandscc.ca.gov
Redwood City	Christy Adonis	Cadonis@redwoodcity.org
Colma Fire	Herbert Cheng	hcheng@colmafd.org

S

Wen G

BP
MPL

Jim
IR

ew

BH

JAC

GL
John Duran

~~Half Moon Bay Fire~~

PACIFICA DIST

JOHN HASTIZUME

jhastizume@pacificasd.org

SMC OES/CONTRACTOR

SRIJESH THAPA

SRIJESH@PROTONMAIL.COM

S GEOFF BAYLON

COLMA FIRE

GBAYLON@COLMAFD.ORG



APPENDIX D

Public Outreach





Regional San Mateo County Hazard Mitigation Public Questionnaire

Regional San Mateo County Hazard Mitigation Public Questionnaire

Cuestionario Público Regional de Mitigación de Riesgos del Condado de San Mateo

1. Language/idioma



Regional San Mateo County Hazard Mitigation Public Questionnaire

INTRODUCTION

Got risk? Tell us about it! If you have experienced a disaster or experienced property damage as a direct result of a hazard, such as earthquake, flooding or severe storm, we want to hear from YOU!

The County of San Mateo, in coordination with its cities, special districts, and other participating agencies, are currently updating the San Mateo County Multi-jurisdictional, Multi-Hazard Mitigation Plan (HMP). Mitigation planning identifies steps to take before a disaster to reduce potential damages and other impacts.

The contents of the plan will have a direct effect on you and how you recover from a disaster. As a result, we want to partner with you in developing this plan. We want to hear about what concerns you the most and what impact disasters have had on you, your family, your neighbors, and your coworkers.

This anonymous survey consists of 19 questions with an opportunity to provide additional comments at the end. It should take between 5-10 minutes to complete.

Thank you for your time and interest in this important process.

2. Where do you live, work, and/or go to school?

Select all that apply

	Live	Work	Go to School
Atherton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belmont	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brisbane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burlingame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Colma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Daly City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
East Palo Alto	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foster City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Half Moon Bay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hillsborough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Menlo Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Millbrae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pacifica	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Portola Valley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Redwood City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
San Bruno	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
San Carlos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
San Mateo (City)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
South San Francisco	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Woodside	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unincorporated Area**	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outside of San Mateo County	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**If you answered "Unincorporated Area," please specify where (e.g. La Honda - work, North Fair Oaks - live, etc.).

3. How long have you lived, worked, or gone to school in San Mateo County?

- Less than 1 year
- 1 to 5 years
- 6 to 10 years
- 11 to 20 years
- More than 20 years
- Not applicable

Comments



Regional San Mateo County Hazard Mitigation Public Questionnaire

HAZARD MITIGATION ON A PERSONAL LEVEL

Hazard mitigation includes actions to reduce your total risk and vulnerability to a hazard, decreasing its ability to harm you or have a significant impact on you. These actions are typically long-term or ongoing in nature.

4. How concerned are you about the following hazards' potential to impact you, neighbors, colleagues, and property in San Mateo County?

	Not concerned	Slightly concerned	Concerned	Very concerned	Extremely concerned	I'm not sure
Climate Change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dam and Levee Failure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drought	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Earthquake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landslide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe Weather (Thunderstorms, Hail, Windstorms, Lightning, Winter Storms, Heat Waves, Tornadoes)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tsunami	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wildfire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Airline Crash	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cyber Threat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hazardous Materials Release	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pipeline/Tank Hazards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Terrorism	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify other hazard

5. Which of the following measures have you or household members taken to prepare for a disaster?

Select all that apply.

- | | | |
|--|--|--|
| <input type="checkbox"/> Purchase emergency food rations/supplies | <input type="checkbox"/> Maintain long-term savings for emergencies and disasters | <input type="checkbox"/> Ensure your home is bolted to its foundation |
| <input type="checkbox"/> Participate in a disaster safety program/training (e.g. Community Emergency Response Team [CERT], American Red Cross) | <input type="checkbox"/> Check smoke detector batteries once a month and change batteries once a year | <input type="checkbox"/> Secure household items, such as bookcases, that can cause injury during an earthquake |
| <input type="checkbox"/> Develop/regularly update your family disaster plan | <input type="checkbox"/> Maintain an area free from vegetation and combustible materials around your home | <input type="checkbox"/> Minimize vegetation removal near steep slopes or stabilized steep slopes on property |
| <input type="checkbox"/> Purchase supplemental insurance (for flood, earthquakes, or wildfire) | <input type="checkbox"/> Use fire-resistant landscaping (plants that do not catch fire easily) | <input type="checkbox"/> Trim trees near house and/or power lines |
| <input type="checkbox"/> Clear leaves, rocks, or other debris away from storm drains | <input type="checkbox"/> Elevate your house or utilities above the floodplain | <input type="checkbox"/> Obtain an emergency generator |
| <input type="checkbox"/> Plant drought resistant landscapes | <input type="checkbox"/> Purchase a property more resistant to hazards (e.g. buying an elevated house or verifying structural integrity before purchase) | |

Other (please specify)

6. Where have you found useful information on preparing, responding, and reducing your risk to disasters?

Select all that apply

- FEMA or federal government websites
- San Mateo County Office of Emergency Services (SMOES) website, blog, and social media accounts
- Other state, district, or local government website
- Nongovernmental organizations (Red Cross or other volunteer organizations, faith-based institutions, etc.)
- Local news or other media (radio, TV, newspaper)
- Email newsletters from FEMA, SMOES, San Mateo County, local city, or other preparedness organizations
- Informational brochures or other printed materials
- Public meetings or community events on disaster preparedness topics
- Social media (Facebook, Twitter, YouTube, Pinterest, Next Door, etc.)
- University or research institution
- Public library
- Neighbors / friends /family members
- Utility company information
- Neighborhood groups (e.g. CERT, MRC, etc.)
- Other (please specify)

7. Are you familiar with the SMCAAlert County Alert System or the AlertU Community College District Alert System?

For more information on SMCAAlert or to register, please visit SMCAAlert.info.

For more information on AlertU or to register, please visit smccd.edu/alertu/.

- Yes, I am familiar with the system(s) and I am registered to receive emergency notifications.
- Yes, I am familiar with the system(s) but I am NOT registered to receive emergency notifications.
- No, I am NOT familiar with the system(s) and NOT registered to receive emergency notifications.

8. What is the primary reason for not taking actions to reduce your risk and vulnerability to disasters?

- I don't know what to do
- I know actions to take but I don't know how to do it (technical expertise)
- It costs too much
- The odds of being impacted are too low to justify the cost or hassle
- I don't have time
- There isn't a way to stop the hazard or the damage anyway
- I feel I am well-prepared
- Other (please specify)



Regional San Mateo County Hazard Mitigation Public Questionnaire

HAZARD MITIGATION OPPORTUNITIES

9. Is your home/workplace/school located in any of the following hazard areas?

Select all that apply

- Floodplain
- General earthquake hazard zone
- Earthquake fault zone
- Liquefaction zone (area with liquefiable soils)
- Landslide hazard area
- Dam or reservoir inundation zone
- Wildfire risk area
- Tsunami inundation zone
- I don't know
- None of the above
- Other (please specify)

10. How do you know whether or not your home/workplace/school is located in a hazard area?

- Not in a hazard area
- Notified of risks before purchase/rental of my home (by seller, real estate agent, or other)
- Through my own research
- Through the media (e.g., websites, news, public awareness campaign, etc.)
- Informed by my neighbors or colleagues
- I don't know if my home/workplace/school is located in a hazard area
- Other (please specify)

11. If you live in San Mateo County, do you own or rent your home?

- Own
- Rent
- I am not sure

Comments

12. If you live in San Mateo County, do you have homeowner's or renter's insurance for your property?

- Yes
- No
- I am not sure

Comments

13. Most homeowner's and renter's insurance policies do not cover damage from some hazards, such as floods or earthquakes.

Have you bought specialty insurance policies to provide additional coverage?

- Flood Insurance
- Earthquake Insurance
- I am not sure
- No, I don't believe I need it
- No, I know I should get additional insurance, but I haven't done it
- No, I didn't know my primary insurance might not cover hazard damage
- No, it is too expensive

Comments

14. How much would you be willing to spend to add safety improvements to your home to reduce the possible risks from disaster damage?

Examples of safety improvements include, but are not limited to, elevating your home or utilities above the flood level, performing seismic upgrades, or replacing a combustible roof with non-combustible roofing.

- Less than \$1,000
- \$1,001 to \$4,999
- \$5,000 to \$9,999
- \$10,000 or more
- I would not be willing to spend any money
- I am not sure

Comments

Thank you for your responses so far and taking the initiative to be part of this vital planning process. The rest of the survey should take approximately 2 minutes to complete.



Regional San Mateo County Hazard Mitigation Public Questionnaire

HAZARD READINESS ON A COUNTY LEVEL

15. Which of the following types of information would be most helpful to you in helping you reduce your disaster risks?

Select all that apply

- Recommended actions residents can take to prepare effectively for when a disaster occurs
- Recommended sustained or long-term actions residents can take to minimize the effects of hazards on property
- Information on available grant programs for property buyouts or safety upgrades
- Information on county and city disaster management capabilities
- Information regarding hazards impacting my home
- There is enough information available for all these topics
- More information is needed on hazards (list hazards below)

16. What types of projects or actions should districts, local, state, or federal government take to reduce damage and disruption from disasters in San Mateo County?

Please pick your top three priorities.

- Strengthen essential facilities such as police stations, fire stations, and schools
- Strengthen infrastructure, such as roads and water supply systems
- Conduct large projects such as building/ improving dams or drainage systems
- Strengthen laws and regulations in hazard areas such as floodplains
- Assist owners of vulnerable property find funding for risk reduction projects
- Provide better public information about risk and vulnerable areas
- Restore the environment's ability to absorb the impacts from hazards, such as wetland restoration and rain gardens
- Lessen potential impacts from climate change
- Buyout homes/properties located in high-hazard areas or suffering from repeated damage

Comments



Regional San Mateo County Hazard Mitigation Public Questionnaire

RESPONDENT DEMOGRAPHIC INFORMATION

Answers to the following questions will help us understand the responses to this survey and develop mitigation projects designed to meet the needs of San Mateo County residents.

THIS INFORMATION WILL BE KEPT CONFIDENTIAL.

The answers will only be used to prepare this plan and will not be provided to any other group.

17. Please indicate your age range.

- Under 18
- 18 to 30
- 31 to 40
- 41 to 50
- 51 to 60
- 61 or older

18. Please indicate your gender.

- Female
- Male
- Other/Prefer not to disclose

19. Please indicate your highest level of education.

- Grade school/no schooling
- Some high school
- High school graduate/GED
- Some college/trade school
- College degree
- Post-graduate degree
- Other

20. Please indicate your gross annual income (total income before taxes and other deductions).

- \$20,000 or less
- \$20,001 to \$49,999
- \$50,000 to \$74,999
- \$75,000 to \$99,999
- \$100,000 or greater
- I am not sure

21. If you have additional information you would like to share about your knowledge and experiences regarding hazards in San Mateo County, please use the box below.



Regional San Mateo County Hazard Mitigation Public Questionnaire

Introducción

Tiene riesgo? Cuéntenos acerca de ello! Si usted ha sufrido un desastre o daños a su propiedad como resultado directo de un peligro, como terremotos, inundaciones o tormentas severas, queremos saber de usted!

El Condado de San Mateo, en coordinación con sus ciudades, distritos especiales y otras agencias participantes, están actualizando el Condado de San Mateo multi –jurisdiccional, Plan de Mitigación de Riesgos Múltiples. La planificación de mitigación identifica los pasos a seguir antes de un desastre para reducir los daños potenciales y otros impactos.

Los contenidos del plan tendrán un efecto directo sobre usted y cómo recuperarse de un desastre. Como resultado de ello, queremos colaborar con usted en el desarrollo de este plan. Queremos escuchar en lo que se refiere a la mayoría de los desastres y el impacto que han tenido sobre usted, su familia, sus vecinos y sus compañeros de trabajo.

Esta encuesta anónima se compone de 19 preguntas con la oportunidad de proporcionar comentarios adicionales al final. Se debe tener entre 5-10 minutos para completar.

Gracias por su tiempo e interés en este importante proceso.

22. ¿Dónde vive, trabaja y / o ir a la escuela?

Seleccione todas las que apliquen

	Vive	Trabajo	Ir a la escuela
Atherton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Belmont	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brisbane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burlingame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Colma	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Daly City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
East Palo Alto	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foster City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Half Moon Bay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hillsborough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Menlo Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Millbrae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pacifica	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Portola Valley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Redwood City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
San Bruno	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
San Carlos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
San Mateo (City)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
South San Francisco	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Woodside	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Área no incorporada**	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fuera del Condado de San Mateo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Si su respuesta es " área no incorporada, " por favor especificar dónde (por ejemplo, La Honda - trabajo, North Fair Oaks - en vivo, etc.)

23. ¿Cuánto tiempo ha vivido, trabajado, o se han ido a la escuela en el Condado de San Mateo ?

- Menos de 1 año
- 1 a 5 años
- 6 a 10 años
- 11 a 20 años
- Más de 20 años
- No aplica

Comentarios



Regional San Mateo County Hazard Mitigation Public Questionnaire

Riesgo de mitigación a nivel personal

La mitigación de riesgos incluye acciones para reducir su riesgo total y la vulnerabilidad a un peligro, disminuyendo su capacidad de hacer daño o tener un impacto significativo en ti. Estas acciones suelen ser a largo plazo o permanente en la naturaleza.

24. ¿Cuánto le preocupa sobre el potencial de los siguientes peligros ' para impactar usted, vecinos, colegas, y la propiedad en el Condado de San Mateo?

	no concierne	un poco preocupado	Preocupado	Muy Preocupado	extremadamente preocupados	No estoy seguro
Cambio climático	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presa y Dique El fracaso	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sequía	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Terremoto	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inundar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
deslizamiento de tierra	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
El tiempo severo (tormentas , granizo , tormentas de viento , relámpagos , tormentas de invierno , olas de calor , tornados)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
tsunami	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
fuego salvaje	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Un choque de aerolínea	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amenaza Cibernética	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Materiales peligrosos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peligros de Tubería / Tanque	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Terrorismo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Otro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Por favor especifique otra situación de peligro

25. ¿Cuál de las siguientes medidas ha tomado o miembros de la familia para prepararse para un desastre ? Seleccione todas las que correspondan.

- | | | |
|---|---|--|
| <input type="checkbox"/> Compra de emergencia raciones de comida / suministros | <input type="checkbox"/> Mantener el ahorro a largo plazo para las emergencias y los desastres | <input type="checkbox"/> Asegúrese de que su casa está atornillado a su fundación |
| <input type="checkbox"/> Participar en un programa de seguridad contra desastres / entrenamiento (por ejemplo, la comunidad del Equipo de Respuesta a Emergencias [CERT] , Cruz Roja Americana) | <input type="checkbox"/> Compruebe las baterías del detector de humo una vez al mes y cambie las baterías una vez al año | <input type="checkbox"/> artículos para el hogar seguros, tales como estantes para libros, que pueden causar lesiones durante un terremoto |
| <input type="checkbox"/> Desarrollar / actualizar periódicamente su plan de emergencia familiar | <input type="checkbox"/> Mantener un área libre de vegetación y materiales combustibles alrededor de su casa | <input type="checkbox"/> Minimizar la remoción de la vegetación cerca de fuertes pendientes o cuevas empinadas estabilizados en la propiedad |
| <input type="checkbox"/> Adquirir un seguro suplementario (por inundaciones, terremotos o incendios forestales) | <input type="checkbox"/> Utilice paisajismo resistentes al fuego (plantas que no se incendian fácilmente) | <input type="checkbox"/> Poda los árboles cerca de la casa y / o líneas eléctricas |
| <input type="checkbox"/> hojas claras , rocas u otros desechos fuera de los desagües pluviales | <input type="checkbox"/> Elevar su casa o utilidades por encima de la llanura de inundación | <input type="checkbox"/> Obtener un generador de emergencia |
| <input type="checkbox"/> Plantas de paisajes resistentes a la sequía | <input type="checkbox"/> Comprar una propiedad más resistentes a los peligros (por ejemplo, la compra de una casa elevada o verifiquen la integridad estructural antes de la compra) | |
| <input type="checkbox"/> Otros (especificar) | | |

26. ¿Dónde has encontrado información útil en la preparación, respuesta y reducir el riesgo de desastres? Seleccione todas las que correspondan

- | | |
|---|---|
| <input type="checkbox"/> FEMA o sitios web del gobierno federal | <input type="checkbox"/> Las reuniones públicas o eventos de la comunidad sobre temas de preparación para desastres |
| <input type="checkbox"/> Oficina del Condado de San Mateo de Servicios de Emergencia (SMOES) del sitio web , blog, y cuentas de redes sociales | <input type="checkbox"/> Los medios sociales (Facebook, Twitter , YouTube , Pinterest , al lado, etc.) |
| <input type="checkbox"/> Otro estado , distrito o sitio web de gobierno local | <input type="checkbox"/> Universidad o centro de investigación |
| <input type="checkbox"/> Organizaciones no gubernamentales (Cruz Roja u otras organizaciones de voluntarios, instituciones basadas en la fe etc.) | <input type="checkbox"/> Biblioteca Pública |
| <input type="checkbox"/> Noticias locales o de otros medios de comunicación (radio, TV , prensa) | <input type="checkbox"/> Vecinos / amigos / familiares |
| <input type="checkbox"/> Los boletines electrónicos de FEMA , SMOES , Condado de San Mateo , local de la ciudad , u otras organizaciones de preparación | <input type="checkbox"/> información empresa de servicios públicos |
| <input type="checkbox"/> Folletos informativos u otros materiales impresos | <input type="checkbox"/> Grupos de vecinos (por ejemplo CERT , MRC , etc.) |
| <input type="checkbox"/> Otros (favor de especificar) | |

27. ¿Está usted familiarizado con el sistema de alerta del Condado SMCAAlert o el Sistema de Alerta de Distrito del Colegio AlertU Comunidad ?

Para obtener más información sobre SMCAAlert o para inscribirse , por favor visite SMCAAlert.info .

Para obtener más información sobre AlertU o para inscribirse , por favor visite smccd.edu/alertu/ .

- Sí , estoy familiarizado con el sistema (s) y estoy registrado para recibir notificaciones de emergencia
- Sí , estoy familiarizado con el sistema (s) , pero no estoy inscrito para recibir notificaciones de emergencia .
- No, no estoy familiarizado con el sistema (s) y no han sido registrados para recibir notificaciones de emergencia .

28. ¿Cuál es la principal razón para no tomar acciones para reducir el riesgo y la vulnerabilidad a los desastres ?

- No se que hacer
- Sé que las acciones a tomar , pero no sé cómo hacerlo (conocimientos técnicos)
- Es demasiado costoso
- Las probabilidades de ser afectados son demasiado bajos como para justificar el costo o molestia
- No tengo tiempo
- No hay una manera de detener el peligro o el daño de todos modos
- Siento que estoy bien preparado
- Otros (favor de especificar)

29. ¿Es su casa / trabajo / escuela ubicada en cualquiera de las siguientes áreas de peligro ? Seleccione todas las que correspondan

- | | |
|--|---|
| <input type="checkbox"/> llanura de inundación | <input type="checkbox"/> Presa o embalse zona de inundación |
| <input type="checkbox"/> zona de riesgo sísmico general | <input type="checkbox"/> zona de riesgo de incendios forestales |
| <input type="checkbox"/> zona de la falla del terremoto | <input type="checkbox"/> zona de inundación por tsunami |
| <input type="checkbox"/> zona de licuefacción (área con suelos licuables) | <input type="checkbox"/> No lo sé |
| <input type="checkbox"/> zona de peligro de deslizamiento | <input type="checkbox"/> Ninguna de las anteriores |
| <input type="checkbox"/> Otros (especificar) | |

30. ¿Cómo se sabe si es o no su casa / trabajo / escuela está situada en una zona de peligro ?

- No en un área de riesgo
- Notificado de los riesgos antes de la compra / alquiler de mi casa (por el vendedor, agente de bienes raíces , o de otro tipo)
- A través de mi propia investigación
- A través de los medios de comunicación (por ejemplo, sitios web , noticias , campaña de sensibilización pública , etc.)
- Informado por mis vecinos o compañeros de trabajo
- No sé si mi casa / trabajo / escuela está situada en una zona de riesgo
- Otros (favor de especificar)

31. Si usted vive en el Condado de San Mateo , ¿es el propietario o alquila su casa ?

- Propio
- Alquilar
- no estoy seguro

32. Si usted vive en el Condado de San Mateo , ¿tiene seguro de inquilino o dueño de una casa de su propiedad para ?

- sí
- No
- no estoy seguro

Other (please specify)

33. La mayoría de las políticas de seguro de inquilino de vivienda y no cubren los daños causados por algunos peligros , tales como inundaciones o terremotos . ¿Ha comprado pólizas de seguros de especialidad para proporcionar una cobertura adicional?

- Seguro de Inundación
- El seguro contra terremotos
- no estoy seguro
- No, no creo que lo necesito
- No, sé que debería obtener un seguro adicional, pero yo no lo he hecho
- No, no sabía que mi seguro primario podría no cubrir los daños de peligros
- No, es demasiado caro

comentarios

34. ¿ Cuánto estaría dispuesto a pagar para añadir mejoras en la seguridad de su hogar para reducir los posibles riesgos de daños por desastre ?

Los ejemplos de las mejoras de seguridad incluyen, pero no se limitan a , la elevación de su casa o utilidades por encima del nivel de inundación , la realización de mejoras sísmicas , o el reemplazo de un techo combustible con techos incombustibles .

- Menos de \$ 1,000
- \$1,001 - \$4,999
- \$5,000 - \$9,999
- \$ 10,000 o más
- Yo no estaría dispuesto a gastar dinero
- No estoy seguro

Comentarios

Gracias por sus respuestas hasta el momento y tomar la iniciativa para formar parte de este proceso de planificación vital. El resto de la encuesta debería tomar aproximadamente 2 minutos para completar .



Regional San Mateo County Hazard Mitigation Public Questionnaire

35. ¿Cuál de los siguientes tipos de información sería más útil para usted para ayudar a reducir los riesgos de desastres ? Seleccione todas las que correspondan

- Acciones recomendadas residentes pueden tomar para preparar de manera eficaz cuando se produce un desastre
- Residentes o acciones sostenidas a largo plazo recomendadas pueden tomar para minimizar los efectos de los riesgos en materia de propiedad
- La información sobre los programas de becas disponibles para adquisiciones de propiedad o actualizaciones de seguridad
- Información sobre las capacidades de gestión de desastres de condados y ciudades
- La información relativa a los riesgos que afectan a mi casa
- No hay suficiente información disponible para todos estos temas
- Se necesita más información sobre los riesgos (peligros de la lista a continuación)

36. ¿Qué tipos de proyectos o acciones deben distritos, local, estatal o federal tomar para reducir los daños y la interrupción de los desastres en el Condado de San Mateo ? Por favor, escoja sus tres principales prioridades.

- Fortalecer la infraestructura , como carreteras y sistemas de suministro de agua
- Llevar a cabo grandes proyectos, como la construcción de presas / mejora o sistemas de drenaje
- Fortalecer las leyes y reglamentos de las zonas expuestas , como las llanuras de inundación
- Asistir a los dueños de la propiedad vulnerables financiación hallazgo para proyectos de reducción de riesgo
- Proporcionar una mejor información pública sobre las zonas de riesgo y vulnerables
- Restaurar la capacidad del medio ambiente para absorber los impactos de peligros, como la restauración de humedales y jardines de lluvia
- Disminuir los impactos potenciales del cambio climático
- casas / propiedades ubicadas en zonas de alto riesgo o que sufren de daños repetidos de adquisiciones
- Reforzar los servicios esenciales, tales como estaciones de policía , estaciones de bomberos y escuelas

Comentarios



Regional San Mateo County Hazard Mitigation Public Questionnaire

INFORMACIÓN DEMOGRÁFICA DEMANDADO

Las respuestas a las siguientes preguntas nos ayudarán a entender las respuestas a esta encuesta y desarrollamos proyectos de mitigación diseñadas para satisfacer las necesidades de los residentes del Condado de San Mateo .

Esta información será confidencial.

Las respuestas solo se utilizan para preparar este plan y no serán proporcionados a cualquier otro grupo.

37. Por favor, indique su rango de edad .

- 18 o menor
- 18 - 30
- 31 - 40
- 41 - 50
- 51 - 60
- 61 o mayor

38. Por favor, indique su género.

- Femenino
- Masculino

39. Por favor, indique su nivel más alto de educación.

- la escuela primaria / sin estudios
- Algún instituto
- Graduado de escuela secundaria / GED
- Un poco de universidad / el comercio
- Título universitario
- Graduado
- Otro

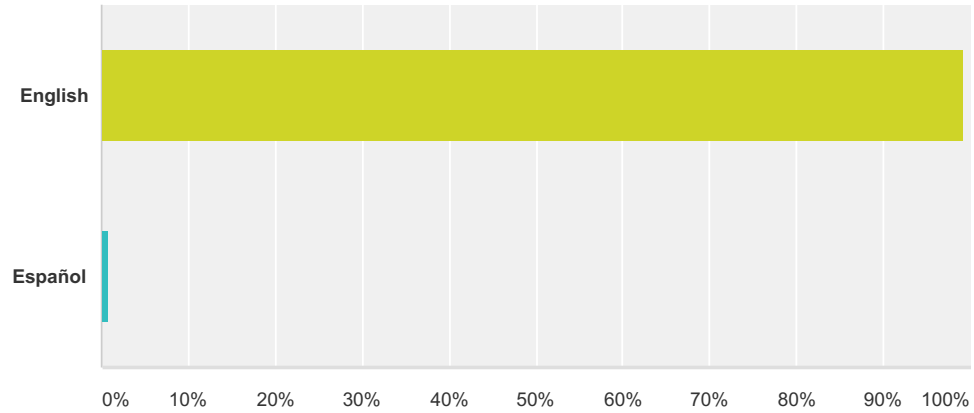
40. Por favor, indique su ingreso anual bruto (ingresos totales antes de impuestos y otras deducciones)

- \$ 20,000 o menos
- \$20,001 - \$49,999
- \$50,000 - \$74,999
- \$75,000 - \$99,999
- \$ 100.000 o mayor
- No estoy seguro

41. Si usted tiene información adicional que le gustaría compartir acerca de sus conocimientos y experiencias sobre los peligros en el Condado de San Mateo , por favor utilice el siguiente cuadro .

Q1 Language/idioma

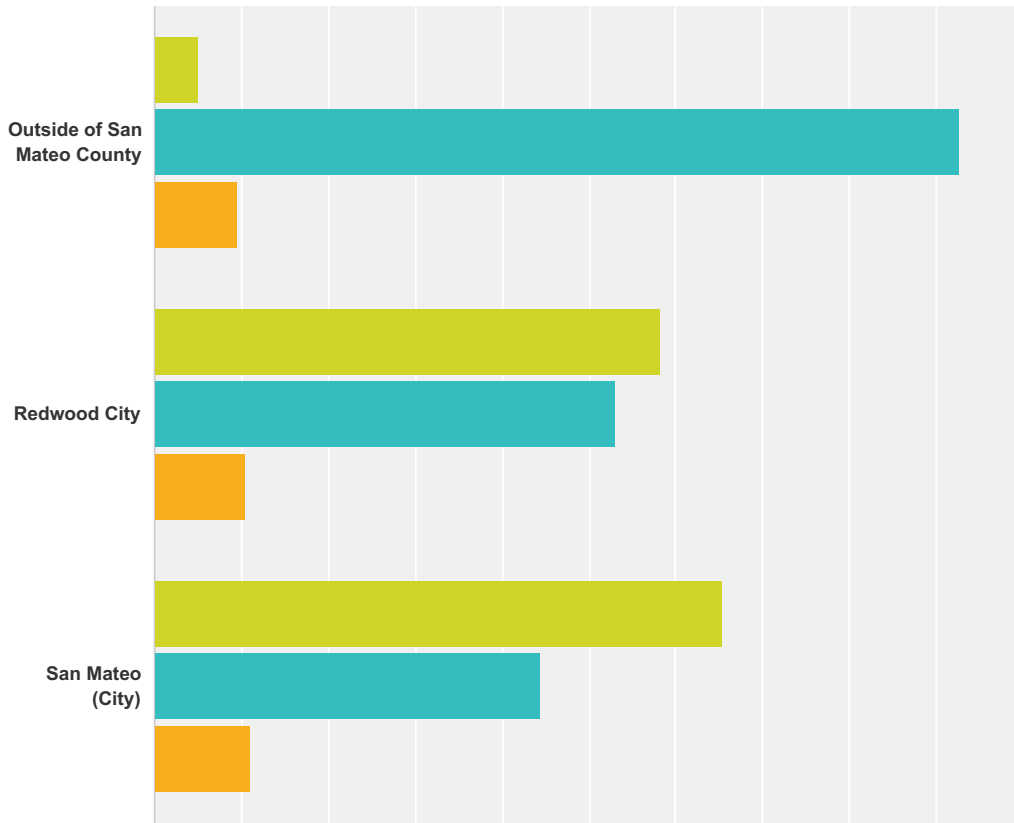
Answered: 1,056 Skipped: 31



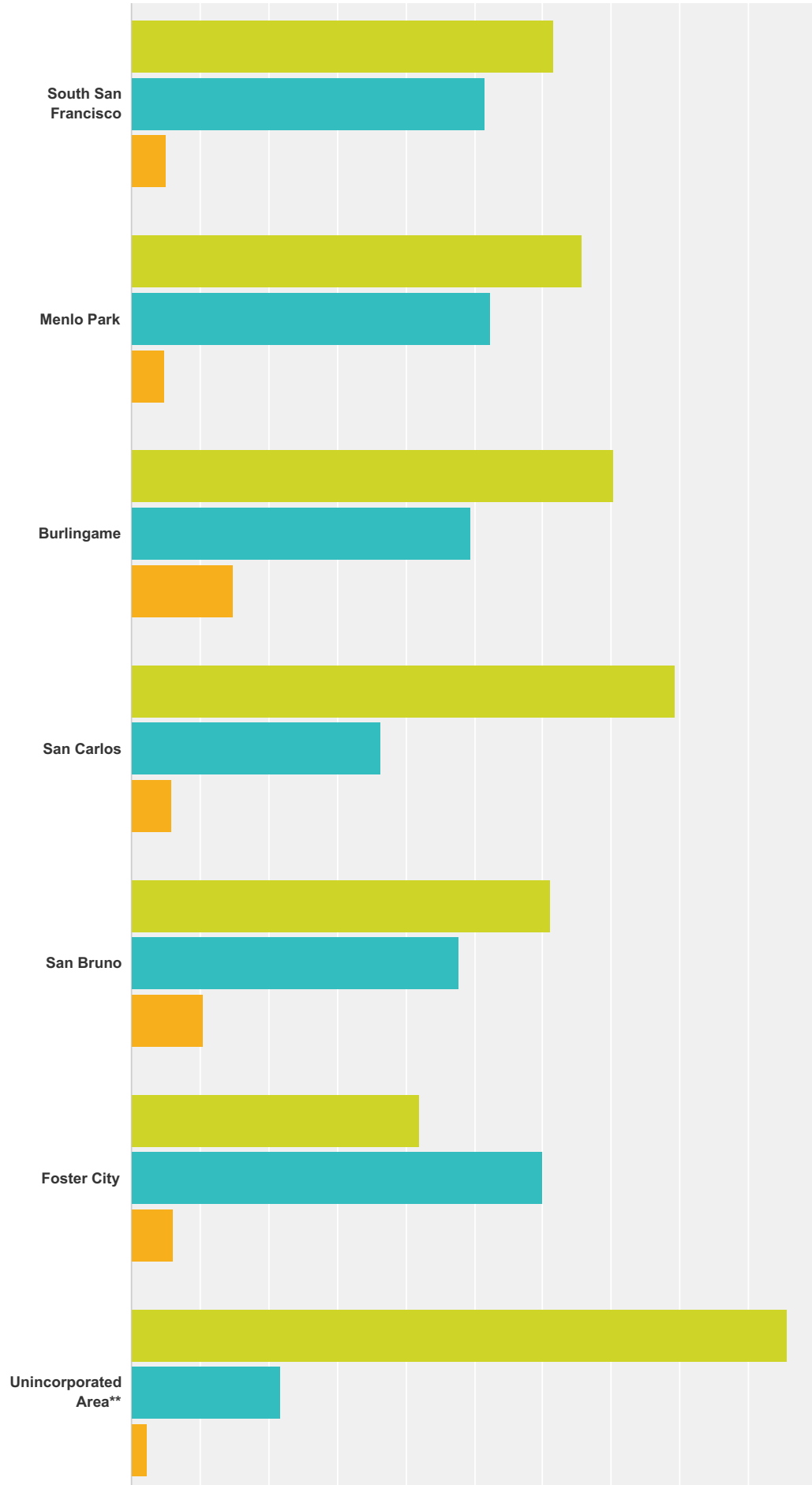
Answer Choices	Responses
English	99.15% 1,047
Español	0.85% 9
Total	1,056

Q2 Where do you live, work, and/or go to school? Select all that apply

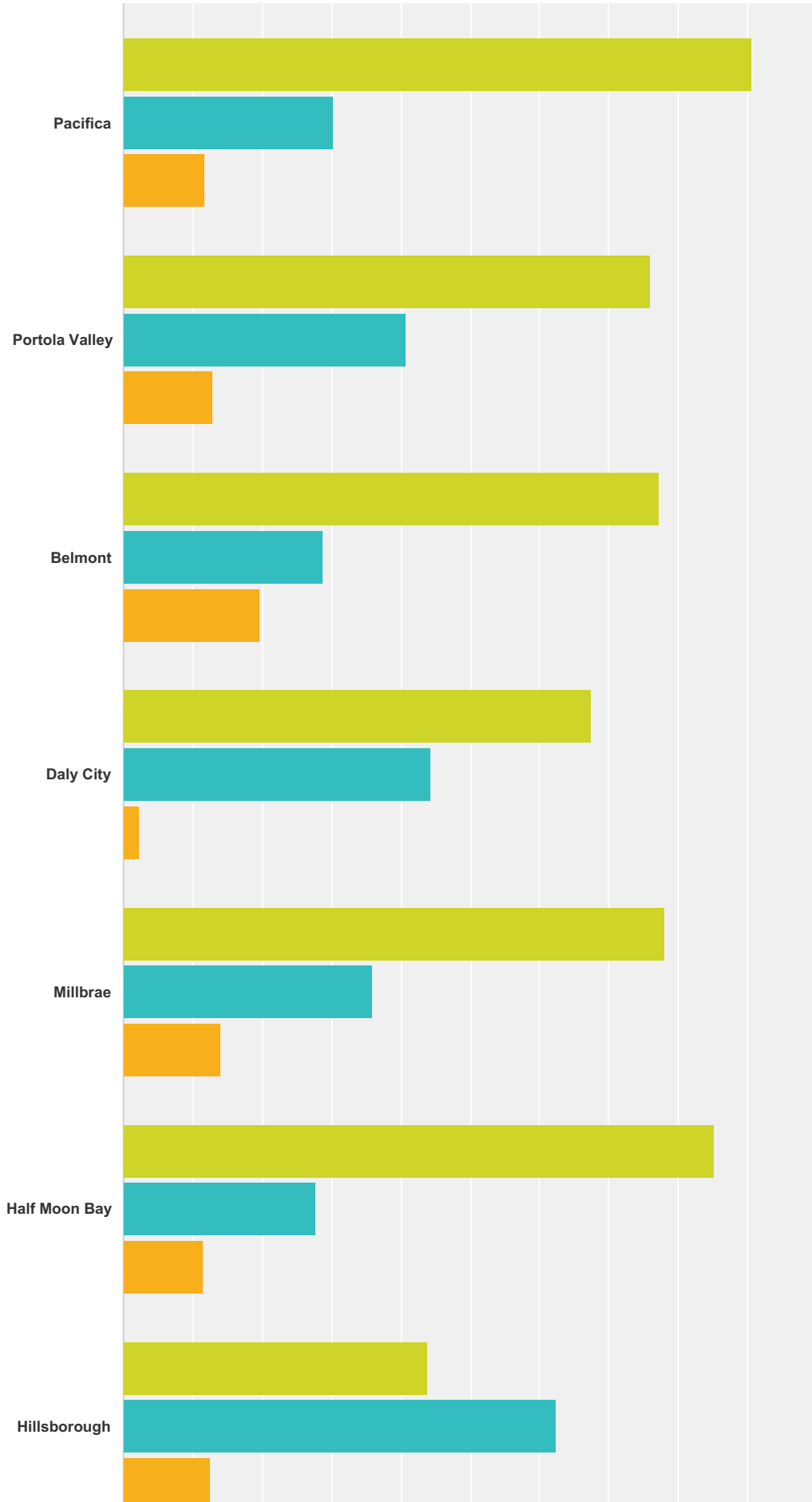
Answered: 957 Skipped: 130



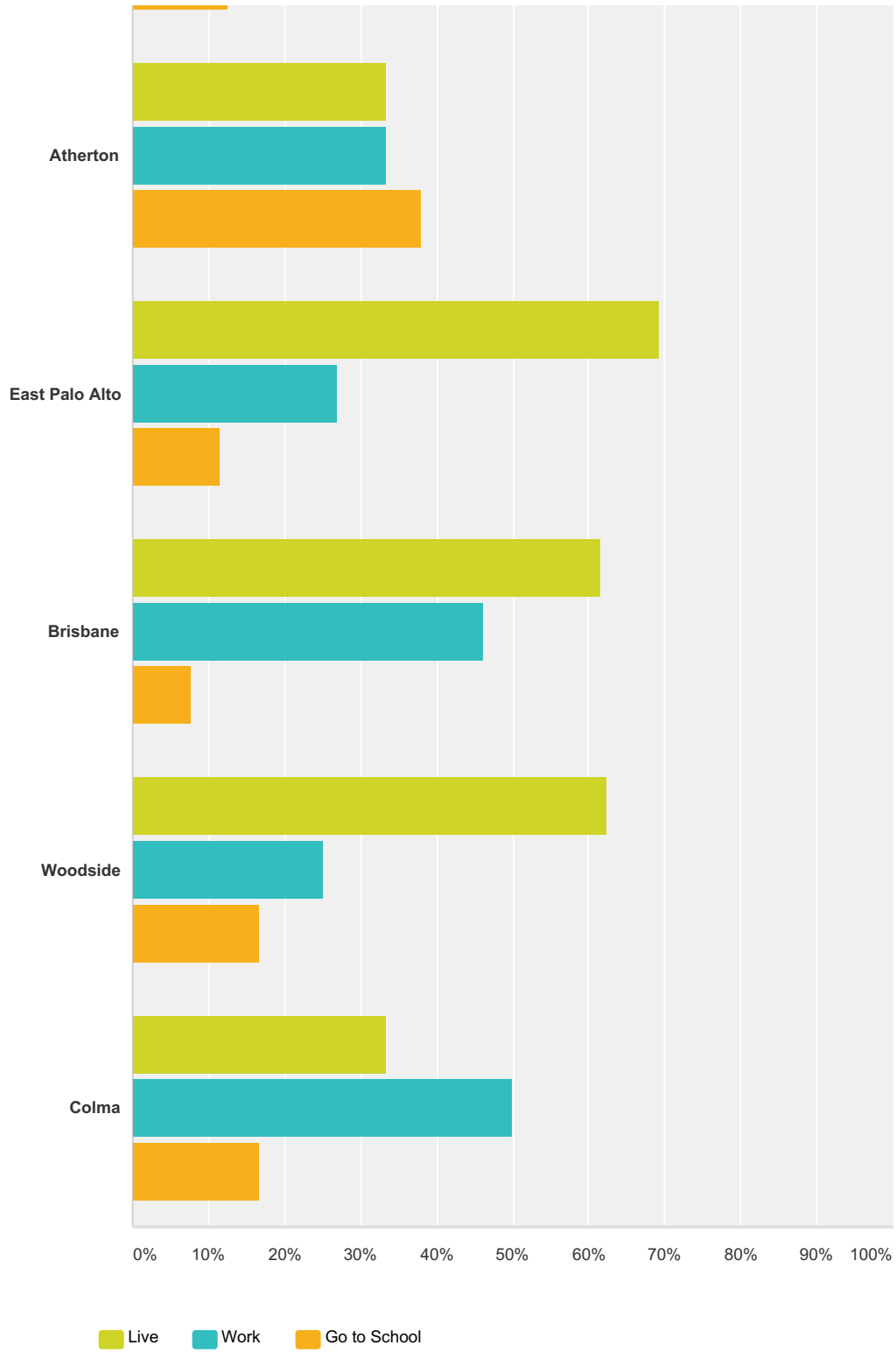
San Mateo County, CA Hazard Mitigation Public Questionnaire



San Mateo County, CA Hazard Mitigation Public Questionnaire



San Mateo County, CA Hazard Mitigation Public Questionnaire



	Live	Work	Go to School	Total Respondents
Outside of San Mateo County	5.05% 11	92.66% 202	9.63% 21	218
Redwood City	58.21% 78	52.99% 71	10.45% 14	134
San Mateo (City)	65.28% 94	44.44% 64	11.11% 16	144

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South San Francisco	61.67% 74	51.67% 62	5.00% 6	120
Menlo Park	65.85% 54	52.44% 43	4.88% 4	82
Burlingame	70.37% 57	49.38% 40	14.81% 12	81
San Carlos	79.41% 81	36.27% 37	5.88% 6	102
San Bruno	61.19% 41	47.76% 32	10.45% 7	67
Foster City	42.00% 21	60.00% 30	6.00% 3	50
Unincorporated Area**	95.52% 128	21.64% 29	2.24% 3	134
Pacifica	90.70% 78	30.23% 26	11.63% 10	86
Portola Valley	75.93% 41	40.74% 22	12.96% 7	54
Belmont	77.27% 51	28.79% 19	19.70% 13	66
Daly City	67.44% 29	44.19% 19	2.33% 1	43
Millbrae	78.00% 39	36.00% 18	14.00% 7	50
Half Moon Bay	85.25% 52	27.87% 17	11.48% 7	61
Hillsborough	43.75% 7	62.50% 10	12.50% 2	16
Atherton	33.33% 7	33.33% 7	38.10% 8	21
East Palo Alto	69.23% 18	26.92% 7	11.54% 3	26
Brisbane	61.54% 8	46.15% 6	7.69% 1	13
Woodside	62.50% 15	25.00% 6	16.67% 4	24
Colma	33.33% 2	50.00% 3	16.67% 1	6

#	**If you answered "Unincorporated Area," please specify where (e.g. La Honda - work, North Fair Oaks - live, etc.).	Date
1	San Mateo Highlands	6/1/2016 2:25 PM
2	Emerald Hills-Live,	6/1/2016 8:51 AM
3	Moss Beach	5/31/2016 8:53 PM
4	MOSS BEACH	5/3/2016 3:28 PM
5	Moss Beach	5/2/2016 9:06 PM
6	Moss Beach	5/2/2016 8:30 PM
7	Moss Beach	5/2/2016 6:15 PM

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8	Miramar	5/2/2016 5:55 PM
9	El Granada	5/2/2016 5:28 PM
10	El Granada	5/2/2016 5:15 PM
11	Moss Beach	5/2/2016 5:07 PM
12	El granada	5/2/2016 4:49 PM
13	Moss Beach	5/2/2016 4:37 PM
14	Moss Beach	5/2/2016 4:28 PM
15	North Fair Oaks	4/25/2016 11:01 AM
16	Montara -live	4/21/2016 4:56 PM
17	North fair oaks	4/20/2016 3:25 PM
18	Pescadero	4/20/2016 6:58 AM
19	North Fair Oaks	4/19/2016 3:20 PM
20	Loma Mar - Live	4/8/2016 9:14 AM
21	MOSS BEACH	4/7/2016 4:31 PM
22	Emerald hills	4/6/2016 7:54 PM
23	North Fair Oaks	4/6/2016 1:13 PM
24	San Mateo Highlands	4/6/2016 11:48 AM
25	El Granada	4/6/2016 1:01 AM
26	NFO, Selby Lane, Emerald Hills	4/5/2016 3:13 PM
27	North Fair Oaks	4/5/2016 11:37 AM
28	San Mateo Highlands	4/4/2016 4:33 PM
29	North fair oaks	4/4/2016 1:56 PM
30	emerald hills	4/4/2016 10:28 AM
31	At Hwy 84 1/5 miles before La Honda traveling west toward the ocean.	4/3/2016 10:56 AM
32	Emerald Hills	4/3/2016 7:29 AM
33	Montara	4/2/2016 8:38 PM
34	Montara	4/2/2016 7:19 PM
35	Montara	4/2/2016 12:49 PM
36	Stanford weekend Acres	4/2/2016 9:16 AM
37	Emerald Hills	4/1/2016 10:55 PM
38	North Fair Oaks	4/1/2016 9:02 PM
39	San Mateo	4/1/2016 5:26 PM
40	Baywood Park	4/1/2016 10:23 AM
41	Burlingame Hills	4/1/2016 10:11 AM
42	Moss Beach	4/1/2016 5:47 AM
43	NFO, Emerald Hills, work	3/31/2016 8:49 PM
44	Redwood City South	3/31/2016 8:42 PM
45	San Mateo Highlands	3/31/2016 7:24 PM
46	Menlo Park	3/31/2016 7:00 PM
47	Unincorporated area of Redwood City, CA	3/31/2016 4:56 PM
48	San Mateo	3/31/2016 12:04 PM

San Mateo County, CA Hazard Mitigation Public Questionnaire

49	Menlo Oaks	3/31/2016 11:54 AM
50	El Granada	3/31/2016 11:38 AM
51	North Fair Oaks	3/31/2016 11:24 AM
52	Emerald Hills	3/31/2016 11:23 AM
53	Menlo Park Stanford Weekend Acres	3/31/2016 10:36 AM
54	Broadmoor - live, Coastside - work	3/31/2016 9:36 AM
55	Pescadero	3/31/2016 8:40 AM
56	Broadmoor	3/31/2016 8:12 AM
57	Emerald Hills	3/31/2016 8:07 AM
58	Emerald Hills	3/31/2016 8:07 AM
59	Pescadero	3/31/2016 8:03 AM
60	Pescadero	3/31/2016 7:40 AM
61	moss beach	3/31/2016 7:14 AM
62	Moss Beach	3/30/2016 11:26 PM
63	El Granada	3/30/2016 10:41 PM
64	Highlands	3/30/2016 10:00 PM
65	Montara	3/30/2016 9:09 PM
66	Pescadero (weekend cabin)	3/30/2016 8:53 PM
67	Pescadero	3/30/2016 8:52 PM
68	Union City	3/30/2016 8:47 PM
69	Emerald Hills	3/30/2016 8:17 PM
70	North Fair Oaks	3/30/2016 8:00 PM
71	Moss Beach	3/30/2016 7:42 PM
72	La honda	3/30/2016 7:26 PM
73	Highlands	3/30/2016 7:05 PM
74	Menlo Oaks	3/30/2016 6:51 PM
75	Broadmoor	3/30/2016 6:44 PM
76	Moss Beach	3/30/2016 6:42 PM
77	I am retired	3/30/2016 6:32 PM
78	Moss Beach	3/30/2016 5:50 PM
79	Moss Beach	3/30/2016 5:32 PM
80	North Fair Oaks	3/30/2016 5:30 PM
81	Pescadero	3/30/2016 5:23 PM
82	My work is based out of San Francisco but work regularly requires going to multiple cities.	3/30/2016 5:12 PM
83	El Granada for both	3/30/2016 5:11 PM
84	Loma Mar, La Honda.	3/30/2016 5:10 PM
85	Emerald Hills	3/30/2016 4:57 PM
86	Emerald Hills	3/30/2016 3:54 PM
87	Emerald Hills	3/30/2016 3:52 PM
88	Loma Mar	3/30/2016 3:44 PM
89	Pa;omar Park	3/30/2016 3:36 PM

San Mateo County, CA Hazard Mitigation Public Questionnaire

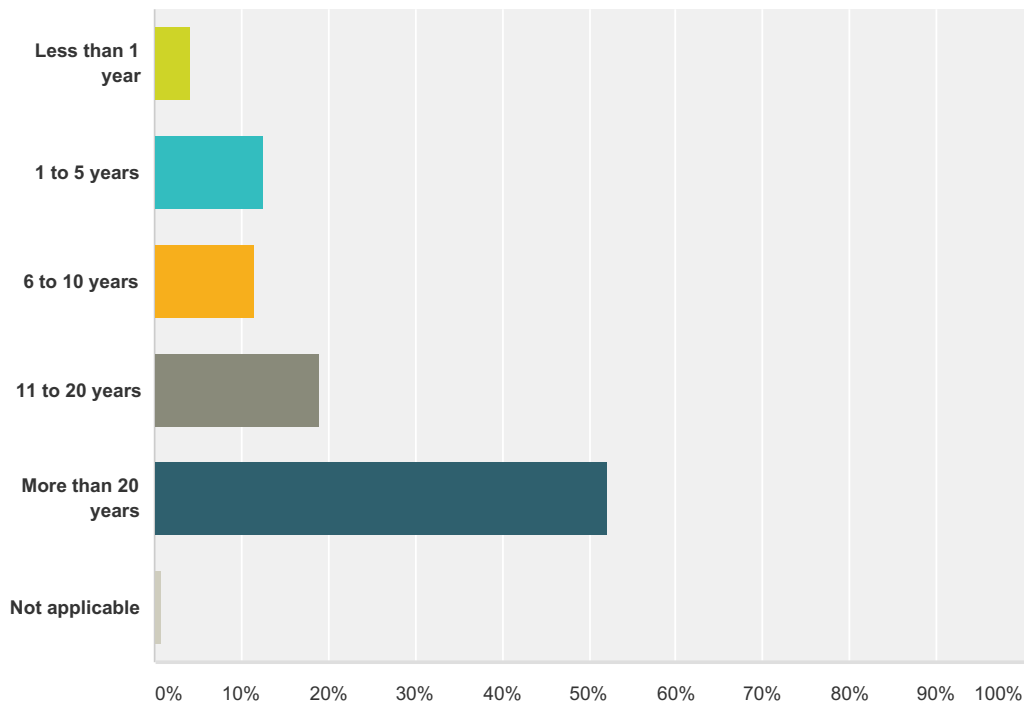
90	Loma Mar	3/30/2016 3:32 PM
91	San Mateo Highlands	3/30/2016 3:26 PM
92	North Fair Oaks	3/30/2016 3:24 PM
93	University Heights	3/30/2016 3:22 PM
94	Montara	3/30/2016 3:18 PM
95	Palomar Park	3/30/2016 3:13 PM
96	SM Highlands work & live	3/30/2016 3:09 PM
97	Miramar	3/30/2016 3:08 PM
98	Palomar Park	3/30/2016 2:52 PM
99	Redwood City	3/30/2016 2:47 PM
100	Half Moon Bay live, work	3/30/2016 2:47 PM
101	Broadmoor	3/30/2016 2:46 PM
102	Redwood City	3/30/2016 2:42 PM
103	Highland- live and work	3/30/2016 2:37 PM
104	Moss Beach	3/30/2016 2:21 PM
105	San Mateo Highlands	3/30/2016 2:19 PM
106	North Fair Oaks	3/30/2016 2:15 PM
107	highlands	3/30/2016 2:06 PM
108	North Fair Oaks	3/30/2016 2:03 PM
109	Baywood Park (between SM Highlands and CSM)	3/30/2016 1:59 PM
110	unincorporated Redwood City	3/30/2016 1:59 PM
111	Edgewood Park	3/30/2016 1:58 PM
112	Moss Beach	3/30/2016 1:53 PM
113	Montara	3/30/2016 1:52 PM
114	West Menlo Park	3/30/2016 1:48 PM
115	North Fair Oaks	3/30/2016 1:47 PM
116	Home- Uninc. Menlo Park off Alpine Rd	3/30/2016 1:46 PM
117	Moss Beach	3/30/2016 1:46 PM
118	El Granada	3/30/2016 1:45 PM
119	San Mateo	3/30/2016 1:43 PM
120	Ladera	3/30/2016 1:42 PM
121	moss beach	3/30/2016 1:34 PM
122	Moss Beach	3/30/2016 1:33 PM
123	montara	3/30/2016 1:33 PM
124	Pescadero	3/30/2016 1:33 PM
125	North fair oaks (Selby park)	3/30/2016 1:31 PM
126	West Menlo Park	3/30/2016 1:31 PM
127	El Granada - Live	3/30/2016 1:30 PM
128	Answers related to when I lived in Woodside 2000-2014	3/30/2016 1:29 PM
129	West Menlo Park	3/30/2016 1:29 PM
130	El Granada	3/30/2016 1:28 PM

San Mateo County, CA Hazard Mitigation Public Questionnaire

131	Off Skyline, near Page Mill Rd.	3/30/2016 1:27 PM
132	La Honda	3/30/2016 1:25 PM
133	Emerald Hills	3/30/2016 1:24 PM
134	Emerald Hills	3/30/2016 1:24 PM
135	Pescadero	3/30/2016 1:23 PM
136	Montara	3/30/2016 1:22 PM
137	Portola Valley	3/21/2016 12:39 PM
138	Vista Verde - Live	3/21/2016 7:00 AM
139	Portola Valley	3/20/2016 10:14 PM
140	Vista Verde	3/19/2016 11:33 AM
141	Vista Verde area	3/15/2016 12:45 PM
142	Ladera - school	3/11/2016 12:25 PM
143	Hey, what about San Bruno?!? I would include that as a work city...	3/10/2016 1:03 PM

Q3 How long have you lived, worked, or gone to school in San Mateo County?

Answered: 955 Skipped: 132



Answer Choices	Responses
Less than 1 year	4.08% 39
1 to 5 years	12.57% 120
6 to 10 years	11.52% 110
11 to 20 years	18.95% 181

San Mateo County, CA Hazard Mitigation Public Questionnaire

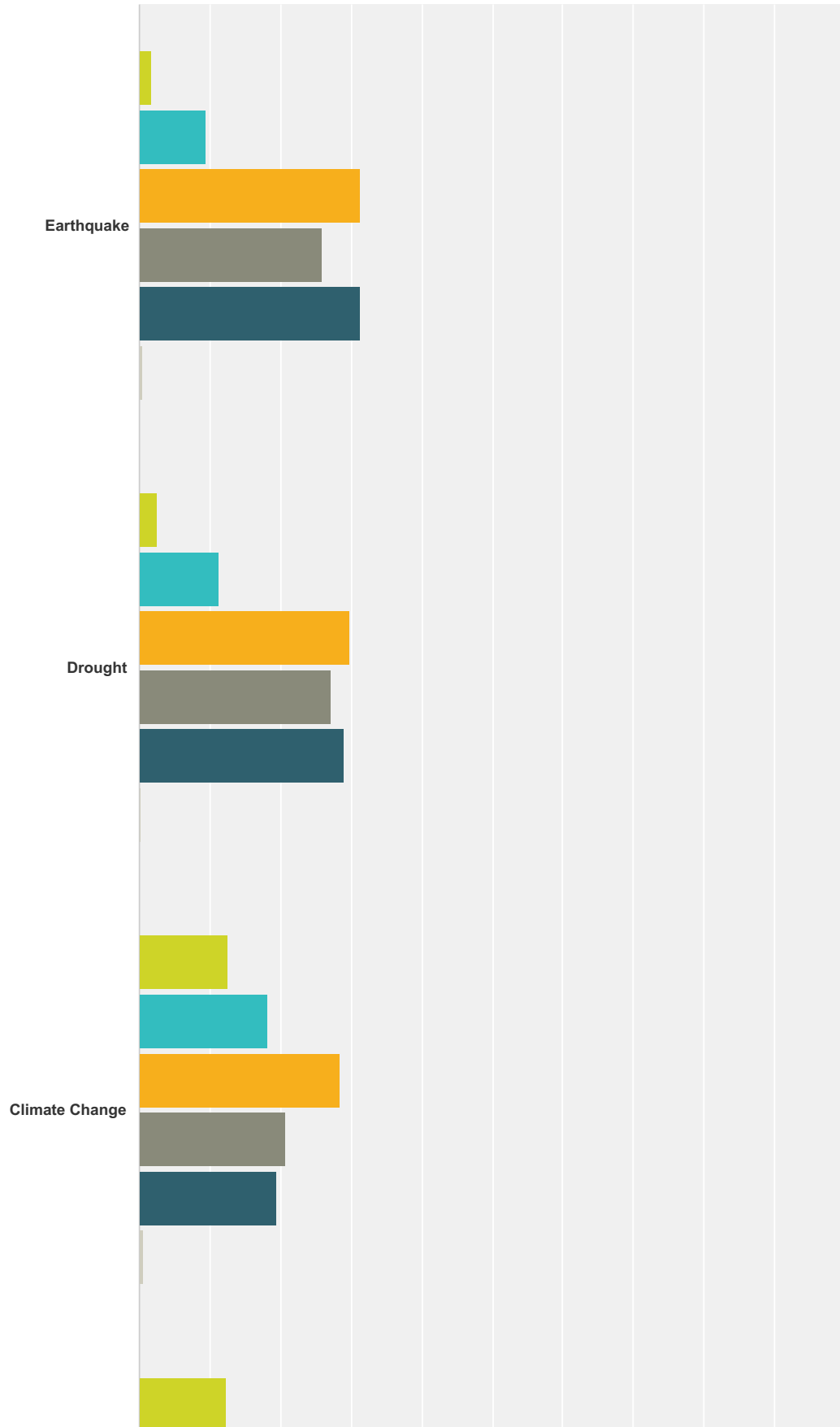
More than 20 years	52.15%	498
Not applicable	0.73%	7
Total		955

#	Comments	Date
1	Live and worked	5/2/2016 8:30 PM
2	56 years	4/19/2016 3:20 PM
3	43 years and 9 months!	4/12/2016 5:59 PM
4	Dawn aveggio	4/10/2016 3:19 PM
5	1951	4/9/2016 7:48 PM
6	Moved to San Mateo County in January 1979	4/7/2016 10:51 AM
7	I grew up in San Bruno and now reside in Daly City.	4/5/2016 10:42 AM
8	Born here 74 years ago.	4/2/2016 9:47 PM
9	Yet another BS Planning project.	4/2/2016 9:16 AM
10	Lived here for 67 years	4/1/2016 1:42 PM
11	Highlands Cert makes it known only for the Highlands	4/1/2016 10:23 AM
12	have lived in several places on the "Coastside" so have a broader view	3/31/2016 2:29 PM
13	Since 1986 same address	3/31/2016 10:36 AM
14	In case of an emergency (flood, earthquake, etc.), I believe it would be most helpful to have Oddstad continued from the end of the street over the hill as a separate way to evacuate Pacifica instead of going onto Highway 1 - which may or may not be affected by a flood.	3/31/2016 9:00 AM
15	Life long Northern CA resident	3/31/2016 8:07 AM
16	Third generation	3/31/2016 8:03 AM
17	37 years	3/31/2016 2:37 AM
18	I was born and raised here in Burlingame	3/30/2016 8:43 PM
19	Since birth	3/30/2016 8:17 PM
20	Born in Sam Mateo	3/30/2016 6:25 PM
21	Dog parks with gravel surfaces are woefully inadequate; county parks that exclude dogs are absurd and never get a dime from me	3/30/2016 5:19 PM
22	I've lived in the house I currently live in for 44 years!!	3/30/2016 4:51 PM
23	37 years	3/30/2016 4:34 PM
24	Since 1056	3/30/2016 3:13 PM
25	Born in Los Angeles in 1927, Lived there until I moved to Menlo Park	3/30/2016 1:43 PM
26	Irrelevant and discriminates against new immigrants.	3/30/2016 1:34 PM
27	my home is directly behind Esplanade where houses have fallen into ocean	3/30/2016 1:32 PM
28	58 Years	3/30/2016 1:31 PM
29	Since 1972	3/15/2016 12:45 PM
30	lived since 1989 Worked since 2005	3/14/2016 5:50 PM

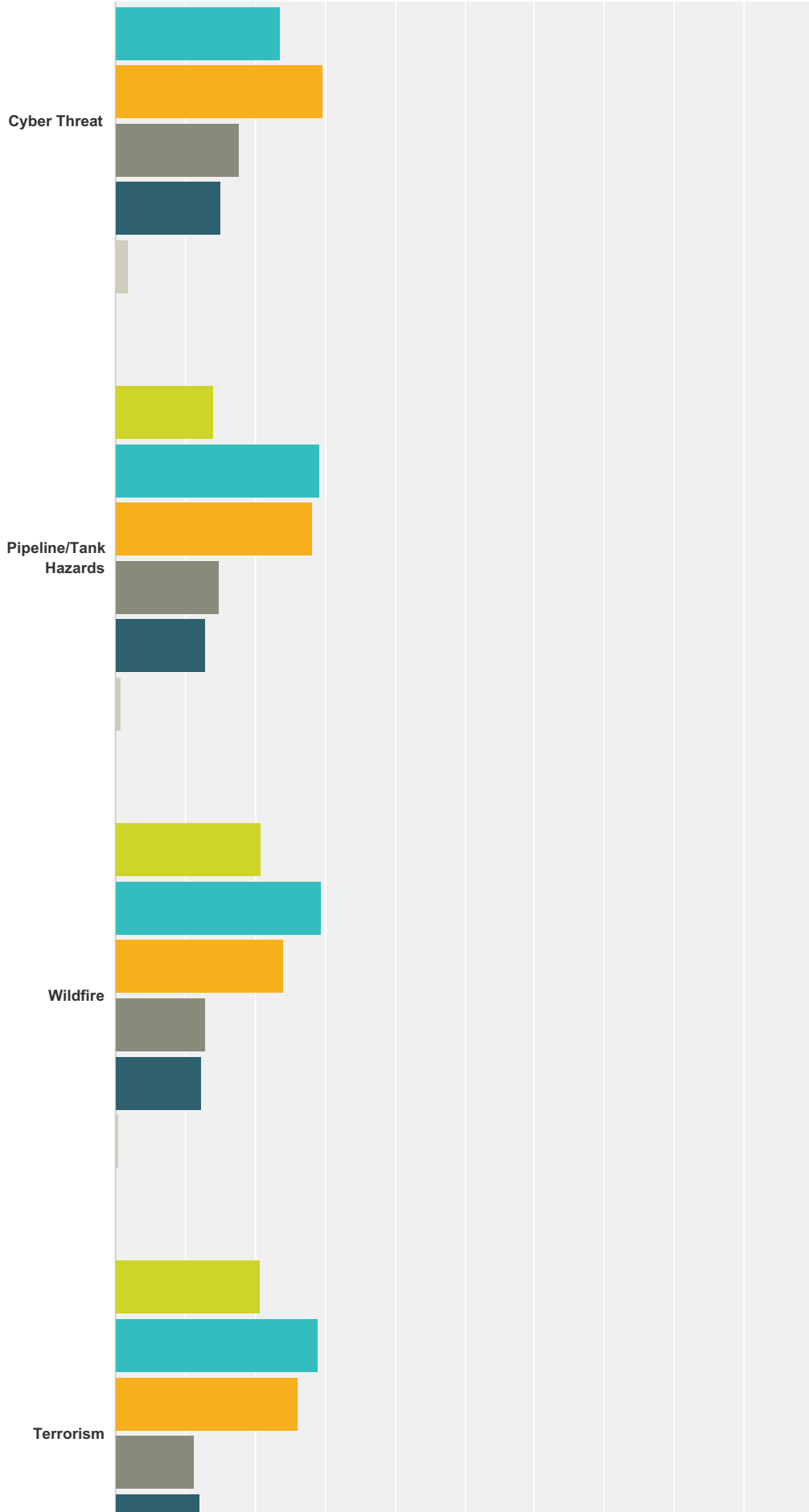
Q4 How concerned are you about the following hazards' potential to impact you, neighbors, colleagues, and property in San

Mateo County?

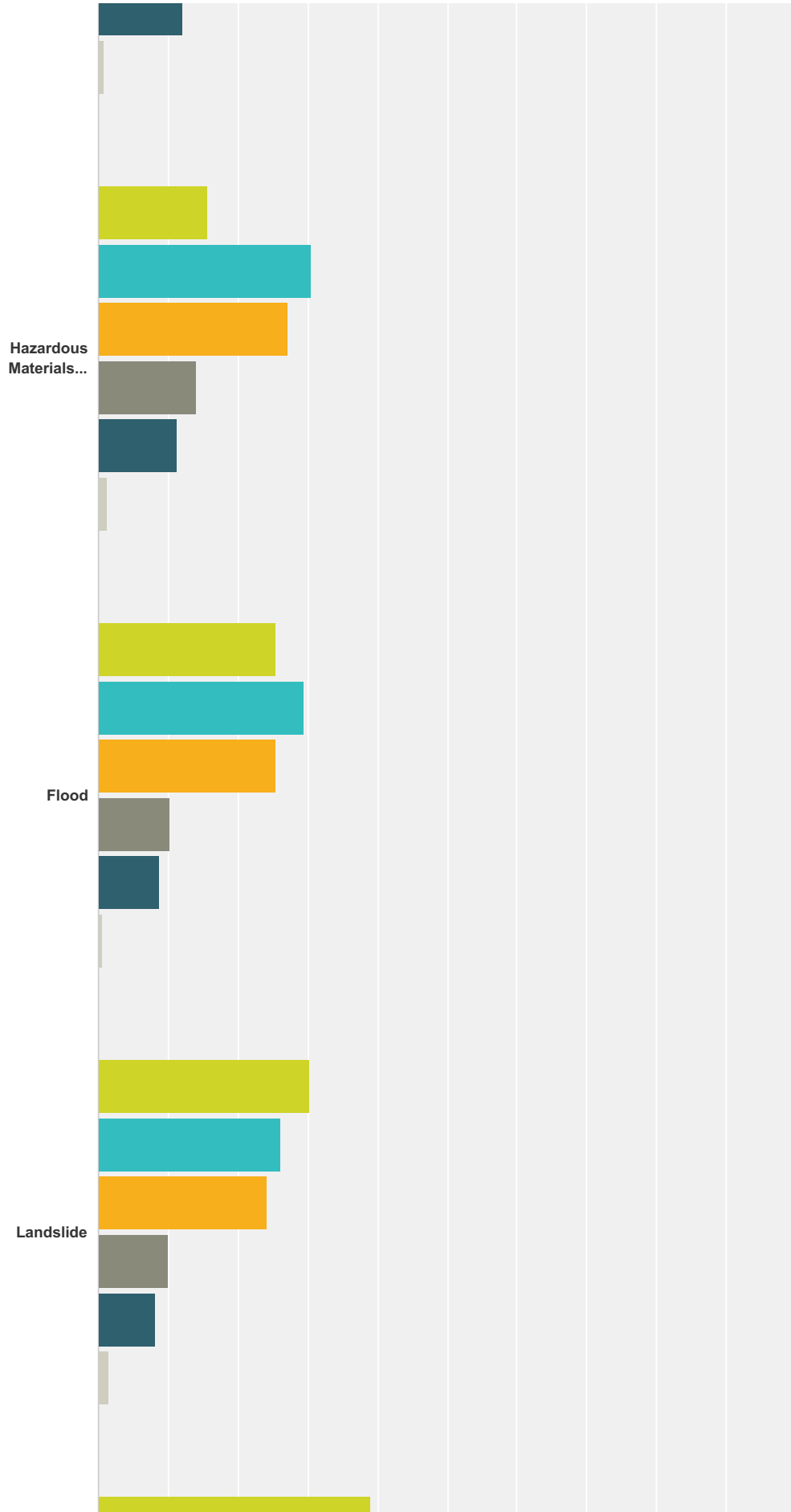
Answered: 846 Skipped: 241



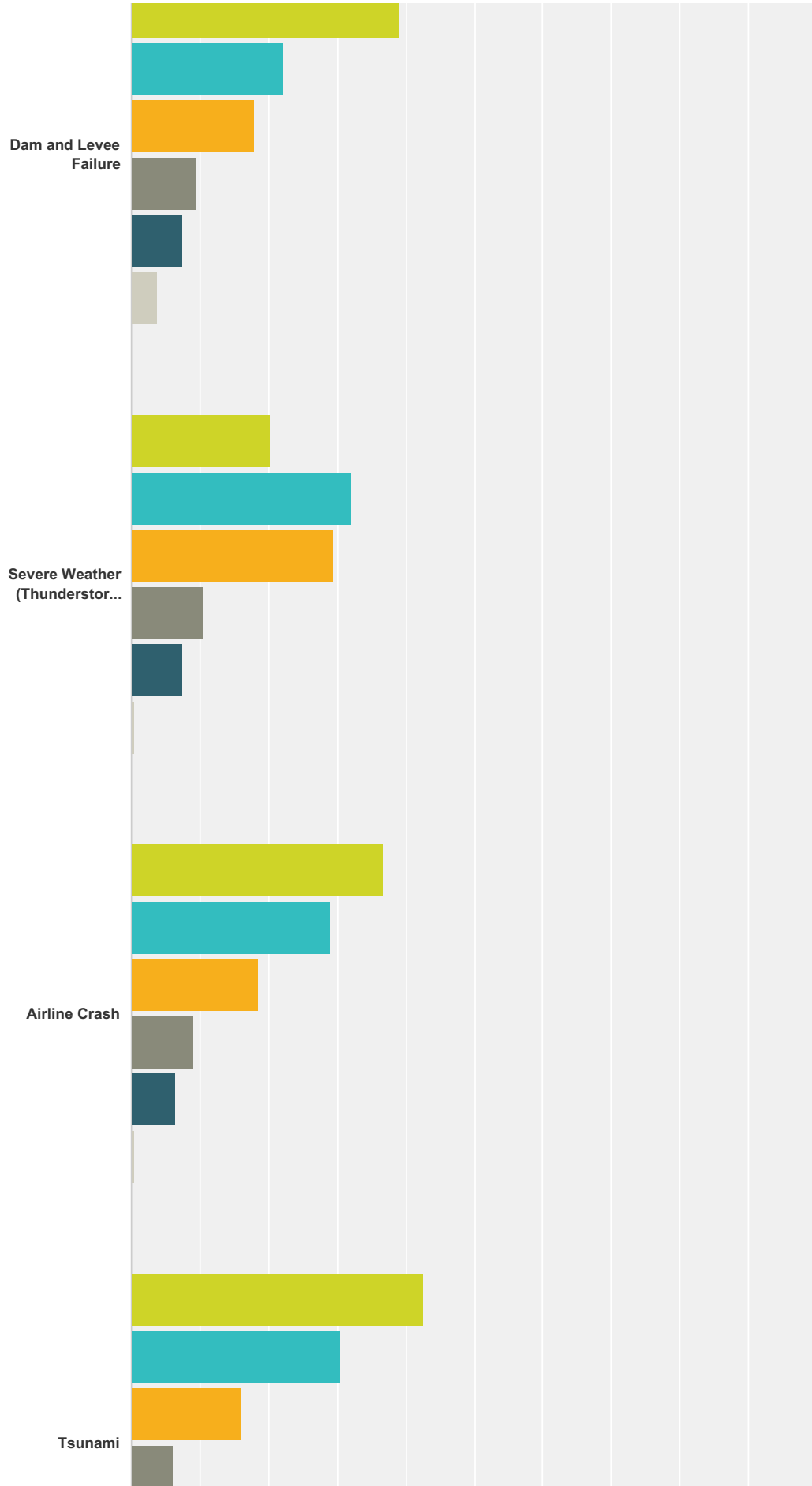
San Mateo County, CA Hazard Mitigation Public Questionnaire



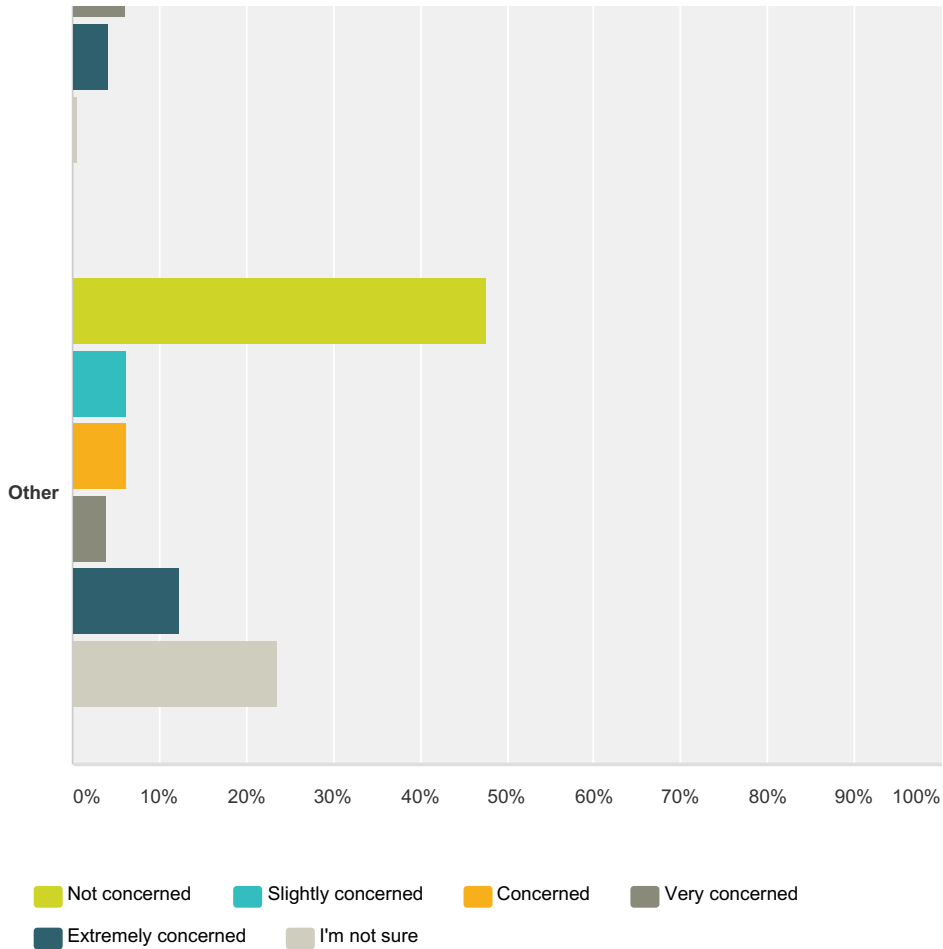
San Mateo County, CA Hazard Mitigation Public Questionnaire



San Mateo County, CA Hazard Mitigation Public Questionnaire



San Mateo County, CA Hazard Mitigation Public Questionnaire



	Not concerned	Slightly concerned	Concerned	Very concerned	Extremely concerned	I'm not sure	Total
Earthquake	1.68% 14	9.34% 78	31.38% 262	25.87% 216	31.26% 261	0.48% 4	835
Drought	2.53% 21	11.20% 93	29.76% 247	27.23% 226	29.04% 241	0.24% 2	830
Climate Change	12.55% 104	18.21% 151	28.47% 236	20.75% 172	19.42% 161	0.60% 5	829
Cyber Threat	12.27% 101	23.57% 194	29.65% 244	17.74% 146	14.95% 123	1.82% 15	823
Pipeline/Tank Hazards	14.02% 115	29.27% 240	28.17% 231	14.76% 121	12.93% 106	0.85% 7	820
Wildfire	20.96% 174	29.40% 244	23.98% 199	13.01% 108	12.29% 102	0.36% 3	830
Terrorism	20.70% 171	28.93% 239	26.15% 216	11.26% 93	12.11% 100	0.85% 7	826
Hazardous Materials Release	15.66% 129	30.58% 252	27.18% 224	13.96% 115	11.29% 93	1.33% 11	824
Flood	25.43% 208	29.46% 241	25.43% 208	10.27% 84	8.80% 72	0.61% 5	818
Landslide	30.21% 248	26.07% 214	24.12% 198	9.99% 82	8.16% 67	1.46% 12	821

San Mateo County, CA Hazard Mitigation Public Questionnaire

Dam and Levee Failure	39.02% 318	22.09% 180	18.04% 147	9.57% 78	7.48% 61	3.80% 31	815
Severe Weather (Thunderstorms, Hail, Windstorms, Lightning, Winter Storms, Heat Waves, Tornadoes)	20.24% 166	32.20% 264	29.39% 241	10.37% 85	7.44% 61	0.37% 3	820
Airline Crash	36.70% 305	29.00% 241	18.65% 155	8.90% 74	6.38% 53	0.36% 3	831
Tsunami	42.60% 351	30.46% 251	16.02% 132	6.07% 50	4.25% 35	0.61% 5	824
Other	47.67% 123	6.20% 16	6.20% 16	3.88% 10	12.40% 32	23.64% 61	258

#	Please specify other hazard	Date
1	The storm drain on Sharp Park Rd. has failed in 3 separate storms, flooding the homes and destroying the fences and yards of 5 neighbors.	6/1/2016 7:02 AM
2	EMP	5/7/2016 4:20 PM
3	earthquake	5/6/2016 10:00 AM
4	Bad neighbors. Like ones discharging guns on July 4, New Year. Also some light fires in back yard as camp fire.	5/6/2016 7:19 AM
5	transportation and infrastructure	5/4/2016 6:14 PM
6	Rising sea level on the coast	5/2/2016 9:09 PM
7	Traffic on the Coastside interfering with emergency vehicles and access.	5/2/2016 6:19 PM
8	Mirada road erosion	5/2/2016 6:00 PM
9	Political corruption, lol, but seriously	4/27/2016 3:02 PM
10	access to health care in emergency, sound economic planning and policies by local govt	4/22/2016 9:19 AM
11	Fire in neighborhood	4/19/2016 3:28 PM
12	Overhead Powerline	4/11/2016 9:49 PM
13	water toxicity from chloramine. We notice how well our plants are growing with rain vs. chloramine water. Note poor yeast growth if I forget and use tap water for yeast baking.	4/11/2016 5:09 PM
14	my husband is a dialysis patient in Daly City. How does that work in an emergency?	4/7/2016 11:06 AM
15	More concerned about a failure of infrastructure then Natural disaster	4/3/2016 8:59 PM
16	Burglary	4/2/2016 10:48 PM
17	Rising bay and ocean levels. We live near the bay, Hwy 101 and rail line	4/2/2016 9:55 PM
18	Seriously worsening drainage and flooding issues coming from development around our unincorporated street.	4/2/2016 7:26 PM
19	Soil erosion	4/2/2016 3:02 PM
20	social injustice and intolerance	4/2/2016 12:05 PM
21	Incompetence of county staff	4/2/2016 9:19 AM
22	Freeway failure and no exit out of Pacifica	4/1/2016 11:30 PM
23	PG&E Gas Transmission Line	4/1/2016 9:48 AM
24	New housing permits issued for developments on unstable slopes	3/31/2016 7:28 PM
25	Traffic-and lack of observance of laws and rudeness	3/31/2016 2:34 PM
26	Crime	3/31/2016 2:01 PM
27	drug dealing, burglaries, bad driving, lack of police enforcement re driving on hwy1 and especially in school zones when school starts and lets out grade school AND high school	3/31/2016 1:09 PM
28	PG&E screw-ups	3/31/2016 11:07 AM

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29	Neighborhood is a fire trap. Evacuation from a single two lane road access (Bishop Lane) from/onto Alpine Road is very concerning. Gridlock is inevitable. Very poor planning. Allowing increased density in small space worsens situation exponentially.	3/31/2016 10:48 AM
30	Burglary in the house	3/31/2016 10:35 AM
31	False Flag Event called Terrorist Attack	3/31/2016 10:15 AM
32	Road closures due to flooding	3/31/2016 7:44 AM
33	Noise Pollution, Air Pollution	3/31/2016 1:55 AM
34	Earthquake liquification. Last week i heard scary cracking sounds few feet underground.	3/30/2016 11:36 PM
35	Burglars	3/30/2016 10:56 PM
36	I'm concerned coastal area w/b isolated due to road closers in event of major earthquake, fire or landslide.	3/30/2016 8:59 PM
37	FLOODING	3/30/2016 8:56 PM
38	Pets, will there be a provision for pets if people are displaced	3/30/2016 8:27 PM
39	Public panic	3/30/2016 7:55 PM
40	Increased noise levels	3/30/2016 6:41 PM
41	actual warfare	3/30/2016 5:43 PM
42	Falling trees	3/30/2016 5:34 PM
43	Oil tank railcars	3/30/2016 5:22 PM
44	Underfunded emergency services.	3/30/2016 5:13 PM
45	drinking water contamination -	3/30/2016 5:08 PM
46	Train derailment of any sort	3/30/2016 4:55 PM
47	Waste/Enviromental Protection	3/30/2016 4:40 PM
48	30 million gallons of jet fuel right outside Brisbane door. Open Gates and not one person patrolling it. I'm not saying this is an easy target for terrorism, this is an easy target for any Nut Job	3/30/2016 4:35 PM
49	Old underground or above ground utilities/infrastructure failures	3/30/2016 4:21 PM
50	Fraud	3/30/2016 4:04 PM
51	financial collapse and martial law	3/30/2016 3:48 PM
52	shooting (lots of gunfire in East Palo Alto)	3/30/2016 3:36 PM
53	Rail accident on Caltrain corridor	3/30/2016 3:33 PM
54	Violent hateful people	3/30/2016 3:27 PM
55	Illegal Aliens	3/30/2016 3:17 PM
56	Disease - Zika, Ebola etc.	3/30/2016 3:07 PM
57	Government over reach and regulation--tax misuse.	3/30/2016 2:16 PM
58	being hit by a car while biking	3/30/2016 2:11 PM
59	Pandemic	3/30/2016 2:03 PM
60	insect (and Arthropod) borne pathigens: Nile virus, zika, Chicanuga; Lymes;	3/30/2016 2:01 PM
61	Anything that causes road closures on the only outlets in/out of here.	3/30/2016 1:56 PM
62	Water contamination	3/30/2016 1:54 PM
63	overpopulation	3/30/2016 1:51 PM
64	air quality - smog - implications to health of poor air quality	3/30/2016 1:50 PM
65	Zombie apocalypse	3/30/2016 1:48 PM
66	water tanks on hill opposite my house and pge pipeline very close to my house.	3/30/2016 1:45 PM
67	Civil unrest, breakdown of law-and-order	3/30/2016 1:45 PM

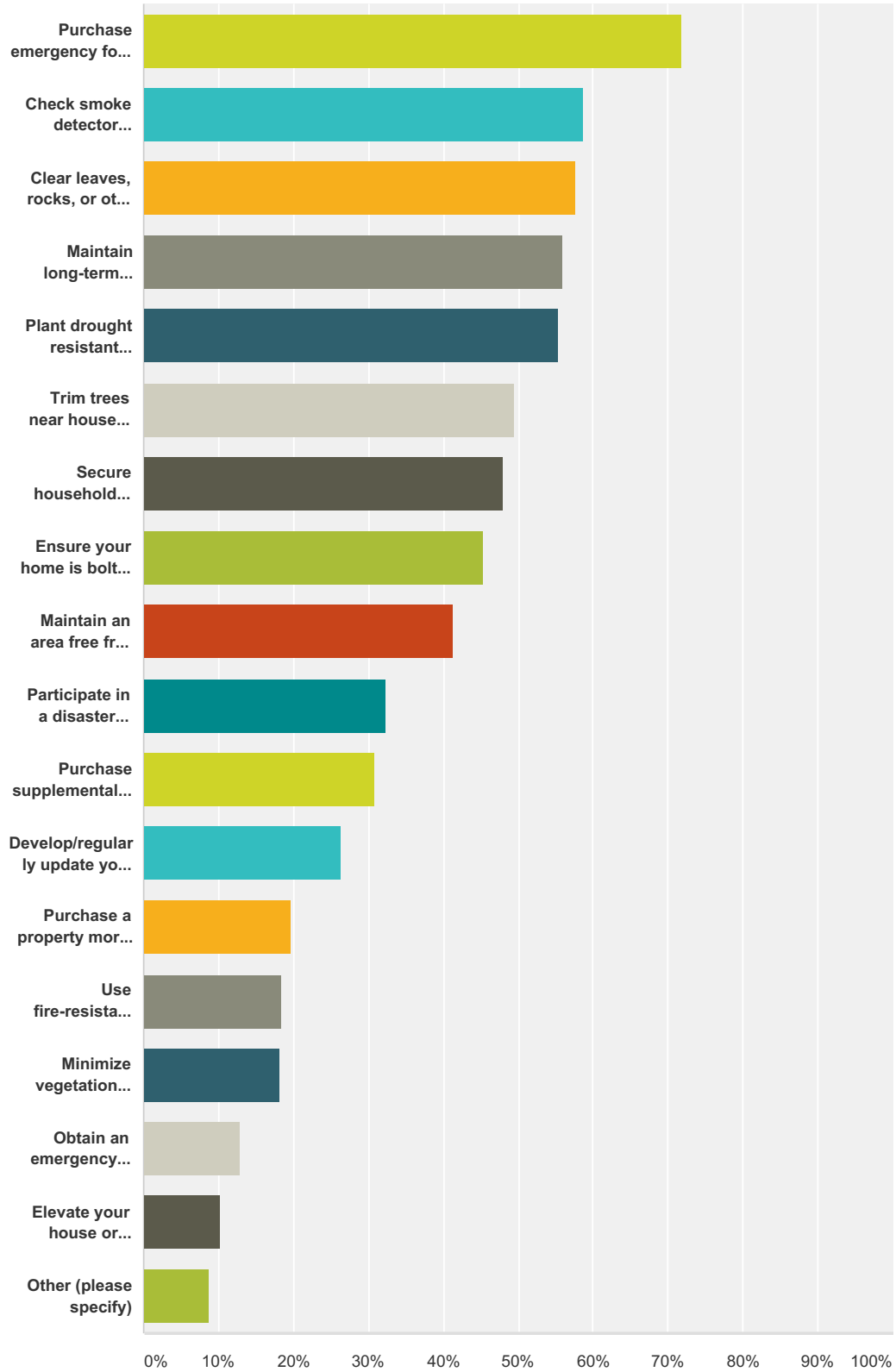
San Mateo County, CA Hazard Mitigation Public Questionnaire

68	Clean water	3/30/2016 1:38 PM
69	Raw Sewage Overflows.	3/30/2016 1:38 PM
70	Loosing my home, the only thing I have to leave my daughter	3/30/2016 1:37 PM
71	failure of pumps that control level of our lagoons	3/30/2016 1:34 PM
72	power outages	3/30/2016 1:27 PM
73	Infectious disease	3/30/2016 1:25 PM
74	Sea level rise	3/25/2016 1:45 PM
75	Burglary	3/17/2016 1:54 PM
76	Large solar storm affecting the electric power grid	3/15/2016 12:51 PM
77	our next President?	3/11/2016 9:16 PM
78	Increasing crime in general	3/11/2016 12:50 PM
79	Increase in crime in general	3/11/2016 12:43 PM
80	Something we have not considered, like a meteor impact	3/10/2016 8:00 PM
81	Local flooding due to poor street drainage following storms and inadequate trimming of large trees bordering the street	3/10/2016 3:50 PM

Q5 Which of the following measures have you or household members taken to prepare for a disaster? Select all that apply.

Answered: 829 Skipped: 258

San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses	
Purchase emergency food rations/supplies	71.89%	596
Check smoke detector batteries once a month and change batteries once a year	58.75%	487

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Clear leaves, rocks, or other debris away from storm drains	57.54%	477
Maintain long-term savings for emergencies and disasters	55.85%	463
Plant drought resistant landscapes	55.25%	458
Trim trees near house and/or power lines	49.58%	411
Secure household items, such as bookcases, that can cause injury during an earthquake	48.01%	398
Ensure your home is bolted to its foundation	45.36%	376
Maintain an area free from vegetation and combustible materials around your home	41.38%	343
Participate in a disaster safety program/training (e.g. Community Emergency Response Team [CERT], American Red Cross)	32.33%	268
Purchase supplemental insurance (for flood, earthquakes, or wildfire)	31.00%	257
Develop/regularly update your family disaster plan	26.30%	218
Purchase a property more resistant to hazards (e.g. buying an elevated house or verifying structural integrity before purchase)	19.66%	163
Use fire-resistant landscaping (plants that do not catch fire easily)	18.46%	153
Minimize vegetation removal near steep slopes or stabilized steep slopes on property	18.09%	150
Obtain an emergency generator	13.03%	108
Elevate your house or utilities above the floodplain	10.13%	84
Other (please specify)	8.69%	72
Total Respondents: 829		

#	Other (please specify)	Date
1	Firearms and Fire extinguishers	5/7/2016 4:20 PM
2	vigilant	5/6/2016 7:19 AM
3	Maybe getting a Ham radio	5/5/2016 8:52 AM
4	renter	5/4/2016 6:14 PM
5	Water & Water Filters	5/2/2016 4:41 PM
6	working on organizing our neighborhood for disasters	4/21/2016 10:49 PM
7	Replace smoke detector batteries when needed.	4/10/2016 5:22 PM
8	Participate in amateur (ham) radio club, practicing emergency communications	4/10/2016 1:26 PM
9	Our neighbor and I have identified a tree hazard that affects both our properties and are finding the city slow to respond to our request for an inspector under the tree cutting ordinances	4/9/2016 8:42 AM
10	Anchored water heater.	4/7/2016 11:06 AM
11	fireproof safe, fireproof data backup and cloud storage	4/6/2016 2:42 PM
12	Water Conservation	4/5/2016 11:42 AM
13	We are enrolled with Wildfire Defense System, Inc. through our Chubb homeowners insurance.	4/3/2016 11:05 AM
14	Permit requirements in Sam Mateo County make it completely unaffordable to try to resolve issues on or around one's property!	4/2/2016 7:26 PM
15	Have pry bar, hard hats	4/2/2016 3:02 PM
16	Maintain an out of state phone tree for emergencies	4/1/2016 11:30 PM
17	Clear trees & sheds from easement	4/1/2016 9:48 AM
18	we check smoke detector and carbon monoxide detector batteries throughout the house 2x a year, not monthly	3/31/2016 6:43 PM

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19	somewhat limited on property aspects being part of a HOA Assn (townhouses)	3/31/2016 5:50 PM
20	renters should be allowed to secure their furnishings	3/31/2016 2:34 PM
21	purchase fire ladder to escape from second story bedrooms	3/31/2016 2:16 PM
22	most of these do not apply for renters as we have no say	3/31/2016 2:01 PM
23	it's not my choice but someone in the house is very well-armed, they think this protects us.	3/31/2016 1:09 PM
24	Long term isolation in coastal community due to major area-wide earthquake	3/31/2016 11:44 AM
25	considering purchasing firearm to protect my food/water supplies from home invasion in an earthquake event.	3/31/2016 9:15 AM
26	First aid training; established an out-of-state point of contact for all family members	3/30/2016 10:23 PM
27	Red Cross First Aid/CPR/AED training; Red Cross First Aid and hazard apps; water and snacks in car; flashlight and sturdy shoes next to bed	3/30/2016 9:57 PM
28	Unfortunately there is a heavy tree branch weighing down a power line, but PG&E has not yet addressed.	3/30/2016 9:41 PM
29	Have a large duffel bag ready to go if need and includes items for pets	3/30/2016 8:27 PM
30	Fill sand bags if major storms are predicted	3/30/2016 6:41 PM
31	Water barrel	3/30/2016 6:27 PM
32	some extra water & canned goods	3/30/2016 5:43 PM
33	I rent a house. I wish my landlord was concerned about many items on this list.	3/30/2016 5:23 PM
34	Drinking water storage	3/30/2016 5:13 PM
35	Emergency radio; solar cell charger	3/30/2016 5:08 PM
36	WE RENT SO CAN NOT DO A LOT OF STUFF LISTED	3/30/2016 5:03 PM
37	Safety gas line shut-off valve	3/30/2016 4:50 PM
38	Now I'm scared!	3/30/2016 4:42 PM
39	Organized my neighbors for preparedness.	3/30/2016 4:25 PM
40	Have emergency first aid kits and drinking water available	3/30/2016 4:21 PM
41	keep water supply in one gallon bottles	3/30/2016 4:12 PM
42	Back up important computer files to remote location	3/30/2016 4:12 PM
43	emergency supply kit in car	3/30/2016 4:02 PM
44	nothing	3/30/2016 3:52 PM
45	I live in townhouse & have no control ovr vegetation etc.	3/30/2016 3:43 PM
46	Have Red, stocked Emergency backpacks in cars; solar/windup radios	3/30/2016 3:41 PM
47	Enough water for a week	3/30/2016 3:37 PM
48	Ask about assistance for low-income residents to get smoke alarms. I would trim trees if I could afford to hire someone.	3/30/2016 3:36 PM
49	Participate in neighborhood disaster plan group	3/30/2016 3:36 PM
50	Stocked up on guns in case the illegal Aliens attack	3/30/2016 3:17 PM
51	acquired sand bags for flooding risk	3/30/2016 3:03 PM
52	Water store in 6 jerry cans.	3/30/2016 2:27 PM
53	Worried that developers do not have our best interest re: landslides	3/30/2016 2:22 PM
54	I am a retired medical professional with disaster training	3/30/2016 2:05 PM
55	Have plans for my pets and horses.	3/30/2016 1:56 PM
56	rotating pool potable (5gal bottles) water adequate for one week.	3/30/2016 1:50 PM
57	Zombie apocalypse plan	3/30/2016 1:48 PM

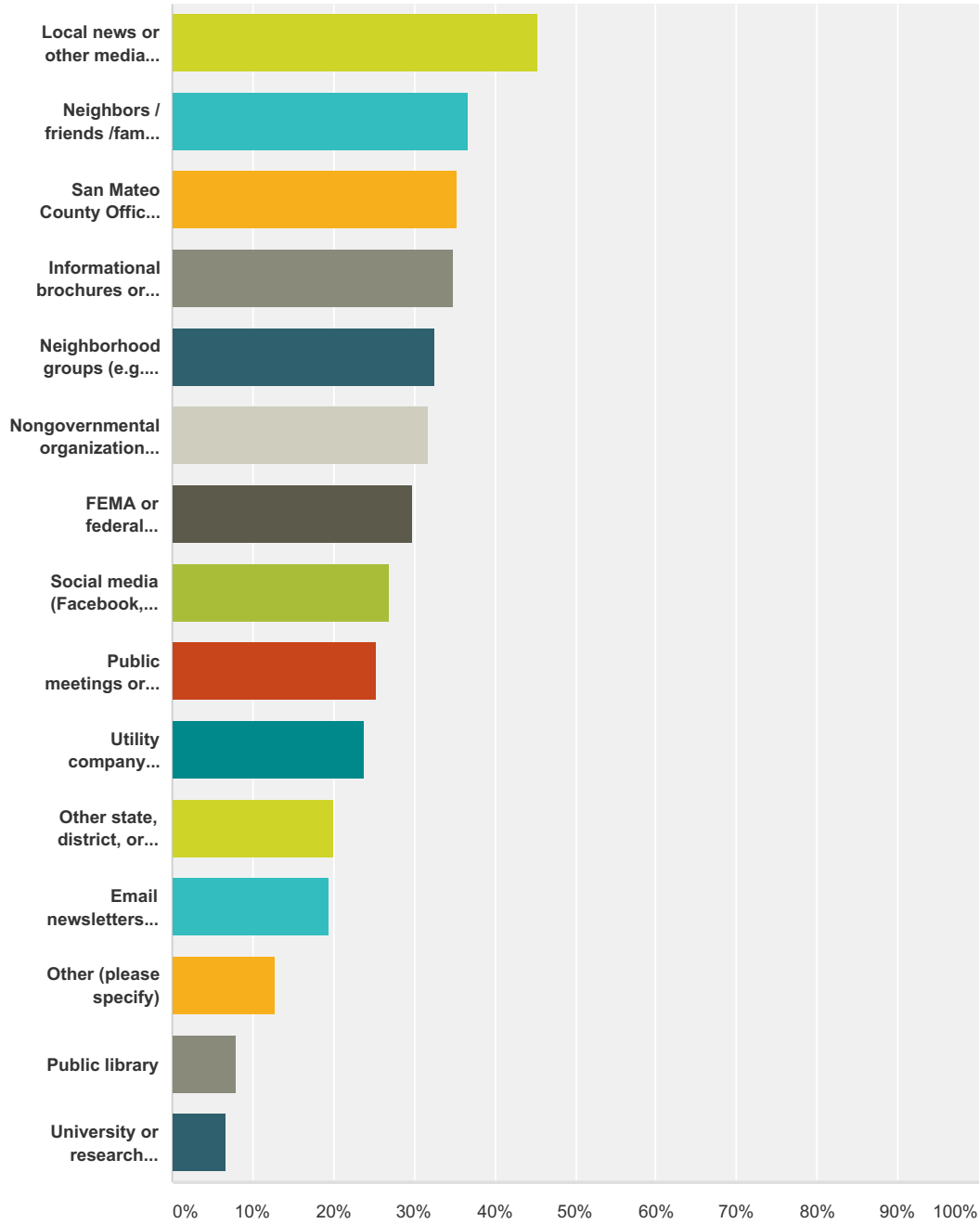
San Mateo County, CA Hazard Mitigation Public Questionnaire

58	Try to run safety scans on computer	3/30/2016 1:45 PM
59	Bug out bag, and we have a full range of personal protection firearms	3/30/2016 1:45 PM
60	Planning new City Construction outside Vulnerable Areas	3/30/2016 1:38 PM
61	going to all safety meetings that are offered in Pacifica	3/30/2016 1:37 PM
62	Home flood proofing with sandbags, tarps and other similar preventative measures	3/30/2016 1:35 PM
63	Amateur Radio	3/30/2016 1:32 PM
64	Automatic emergency night lights	3/30/2016 1:31 PM
65	1 - monitor CERPP communications; 2 - obtained Firewise status for community; 3 - maintain emergency water supply for family and for 1st responders within immediate community	3/27/2016 4:18 PM
66	do not check smoke detectors every month, but every 6 months.	3/19/2016 12:01 PM
67	We don't have the resources to do any of these options	3/18/2016 5:21 PM
68	keep flash lights and bottled water available.	3/14/2016 1:57 PM
69	solar power	3/12/2016 8:36 AM
70	Solar-powered battery back-up for short-term electrical outage.	3/11/2016 2:47 PM
71	Have solar panels and my own water supply, and electric car	3/10/2016 8:00 PM
72	back up sub pump	3/10/2016 2:26 PM

Q6 Where have you found useful information on preparing, responding, and reducing your risk to disasters? Select all that apply

Answered: 775 Skipped: 312

San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses
Local news or other media (radio, TV, newspaper)	45.29% 351
Neighbors / friends /family members	36.77% 285
San Mateo County Office of Emergency Services (SMOES) website, blog, and social media accounts	35.35% 274
Informational brochures or other printed materials	34.97% 271
Neighborhood groups (e.g. CERT, MRC, etc.)	32.52% 252
Nongovernmental organizations (Red Cross or other volunteer organizations, faith-based institutions, etc.)	31.74% 246
FEMA or federal government websites	29.81% 231
Social media (Facebook, Twitter, YouTube, Pinterest, Next Door, etc.)	26.84% 208

San Mateo County, CA Hazard Mitigation Public Questionnaire

Public meetings or community events on disaster preparedness topics	25.16%	195
Utility company information	23.74%	184
Other state, district, or local government website	20.00%	155
Email newsletters from FEMA, SMOES, San Mateo County, local city, or other preparedness organizations	19.48%	151
Other (please specify)	12.65%	98
Public library	7.87%	61
University or research institution	6.71%	52
Total Respondents: 775		

#	Other (please specify)	Date
1	We have an excellent CERT in SSF under Ken Anderson	5/6/2016 7:19 AM
2	Member of SSF CERT	5/5/2016 8:45 PM
3	Company I work for Globally Certified in ISO Standard 22301, site Business Continuity Coordinator and National, Agility Recovery POC	5/4/2016 6:14 PM
4	Private websites	4/30/2016 8:37 PM
5	Church	4/22/2016 10:24 AM
6	Puente	4/20/2016 6:59 AM
7	through employment with State Farm Insurance	4/13/2016 4:37 PM
8	CERT At Work	4/10/2016 5:22 PM
9	Emergency preparedness drills	4/7/2016 11:06 AM
10	Genentech	4/4/2016 10:34 AM
11	informational brochures from school kids	4/3/2016 11:49 PM
12	self	4/3/2016 11:33 AM
13	Disaster Preppers Handbook	4/2/2016 3:02 PM
14	I don't remember... I've know this stuff for years - my mom was interested years ago	4/2/2016 12:05 PM
15	other sites found from googling	4/1/2016 9:55 PM
16	Menlo Park Fire Departmnt	4/1/2016 9:48 AM
17	CERT	4/1/2016 8:16 AM
18	Smcalert	4/1/2016 7:21 AM
19	Displays at Home Depot (earthquake adhesion products)	3/31/2016 5:50 PM
20	NextDoor app. Especially posts from San Mateo County	3/31/2016 4:44 PM
21	Have written what/when/how for families about preparedness	3/31/2016 2:34 PM
22	Most knowledge comes from the City and County of San Francisco where we work as San Mateo doesn't seem to have a program?	3/31/2016 2:01 PM
23	https://survivalpodcasts.wordpress.com/2013/07/22/the-chipmunk-family-survival-podcast/	3/31/2016 1:09 PM
24	School	3/31/2016 11:55 AM
25	Web	3/31/2016 9:23 AM
26	san mateo county event center earthquake seminar 2014	3/31/2016 9:15 AM
27	American Red Cross	3/31/2016 6:35 AM
28	Boy Scouts	3/31/2016 1:17 AM

San Mateo County, CA Hazard Mitigation Public Questionnaire

29	Employer (google)	3/30/2016 11:36 PM
30	Spouse gets info. Ask her.	3/30/2016 10:54 PM
31	Great Shakeout	3/30/2016 9:57 PM
32	NOAA	3/30/2016 9:46 PM
33	youtube	3/30/2016 8:55 PM
34	Nextdoor, local experts	3/30/2016 8:46 PM
35	TV	3/30/2016 8:14 PM
36	Common sense	3/30/2016 6:27 PM
37	Online	3/30/2016 5:52 PM
38	Former employer	3/30/2016 5:24 PM
39	Tv	3/30/2016 5:23 PM
40	google	3/30/2016 5:21 PM
41	Military organizations from other states i.e. Washington	3/30/2016 5:13 PM
42	This thing called the internet	3/30/2016 5:02 PM
43	I work in at a school and we discuss measures that we can take.	3/30/2016 5:01 PM
44	Internet	3/30/2016 4:53 PM
45	I am a retired emergency manager	3/30/2016 4:46 PM
46	Co-habitant worked for OES	3/30/2016 4:44 PM
47	I haven't!	3/30/2016 4:42 PM
48	School	3/30/2016 4:40 PM
49	I became a CERT volunteer	3/30/2016 4:25 PM
50	sf72.org	3/30/2016 4:12 PM
51	Nextdoor social network	3/30/2016 4:02 PM
52	online	3/30/2016 3:54 PM
53	i havent looked	3/30/2016 3:52 PM
54	Internet blogs and YouTube sites	3/30/2016 3:48 PM
55	Fire & Police Dept Speakers	3/30/2016 3:43 PM
56	Property owners organization	3/30/2016 3:41 PM
57	Still looking for REALISTIC advice on what hazards are most likely and how to prepare on a budget. Stop saying my "kit" should include 50 lb. of water, tools, and supplies.	3/30/2016 3:36 PM
58	internet	3/30/2016 3:35 PM
59	Boyscouts	3/30/2016 3:26 PM
60	searching the internet for information	3/30/2016 3:25 PM
61	None of these!	3/30/2016 3:22 PM
62	American Red Cross	3/30/2016 3:12 PM
63	newspaper	3/30/2016 3:07 PM
64	Internet	3/30/2016 2:51 PM
65	I have not looked into where I can find information on preparing for disasters.	3/30/2016 2:48 PM
66	Bay Area Rapid Transit (BART)	3/30/2016 2:32 PM
67	Life and good sense	3/30/2016 2:16 PM
68	Disaster Preparedness Day (community event?)	3/30/2016 2:13 PM

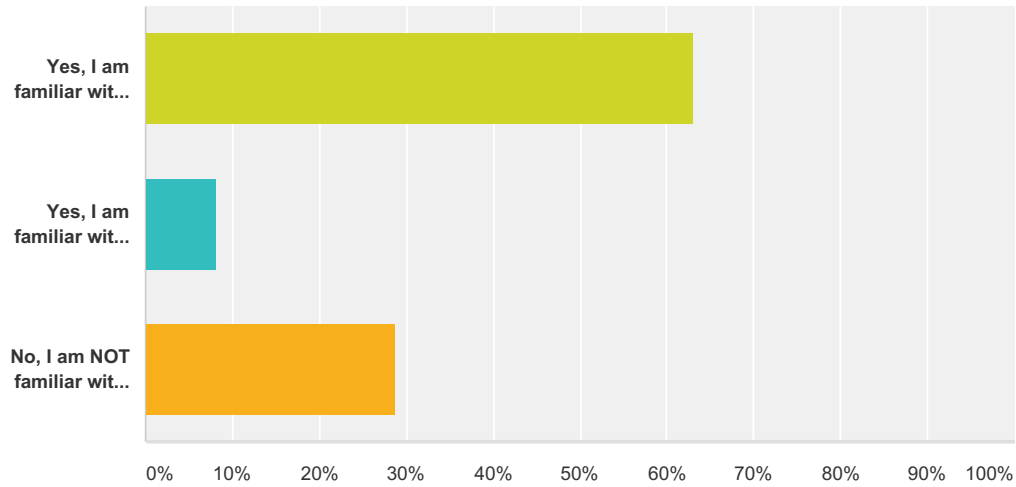
San Mateo County, CA Hazard Mitigation Public Questionnaire

69	direct contact with county officials to address specific concerns	3/30/2016 2:08 PM
70	CEAP-Coastside Emergency Action Plan	3/30/2016 2:03 PM
71	Large Animal Evac Group	3/30/2016 1:56 PM
72	personal experience.	3/30/2016 1:50 PM
73	SCARES - Amateur Radio Emergency Services	3/30/2016 1:48 PM
74	google	3/30/2016 1:48 PM
75	Tv shows	3/30/2016 1:48 PM
76	professional continuing education	3/30/2016 1:47 PM
77	California Water	3/30/2016 1:45 PM
78	CERT	3/30/2016 1:45 PM
79	internet	3/30/2016 1:45 PM
80	Burlingame Neighborhood Network	3/30/2016 1:43 PM
81	Magazine articles	3/30/2016 1:39 PM
82	http://www.Pacifica.city , http://www.PacificaRiptide.com	3/30/2016 1:38 PM
83	Online searches	3/30/2016 1:36 PM
84	Boy Scouts	3/30/2016 1:35 PM
85	Work trainings	3/30/2016 1:31 PM
86	insurance broker	3/30/2016 1:28 PM
87	NextDoor	3/30/2016 1:27 PM
88	work	3/30/2016 1:26 PM
89	PMAC	3/30/2016 1:26 PM
90	internet research	3/19/2016 12:15 PM
91	none	3/19/2016 10:55 AM
92	Vista Verde Assoiation disaster meetings/drills	3/15/2016 12:51 PM
93	CEAP Program in Half Moon Bay	3/14/2016 1:57 PM
94	Woodside Fire Department!	3/11/2016 2:47 PM
95	Firewise Community training	3/11/2016 12:50 PM
96	Google	3/11/2016 12:27 PM
97	Internet	3/10/2016 9:54 PM
98	internet	3/10/2016 1:37 PM

**Q7 Are you familiar with the SMCAAlert
 County Alert System or the AlertU
 Community College District Alert System?
 For more information on SMCAAlert or to
 register, please visit SMCAAlert.info.For
 more information on AlertU or to register,
 please visit smccd.edu/alertu/.**

Answered: 842 Skipped: 245

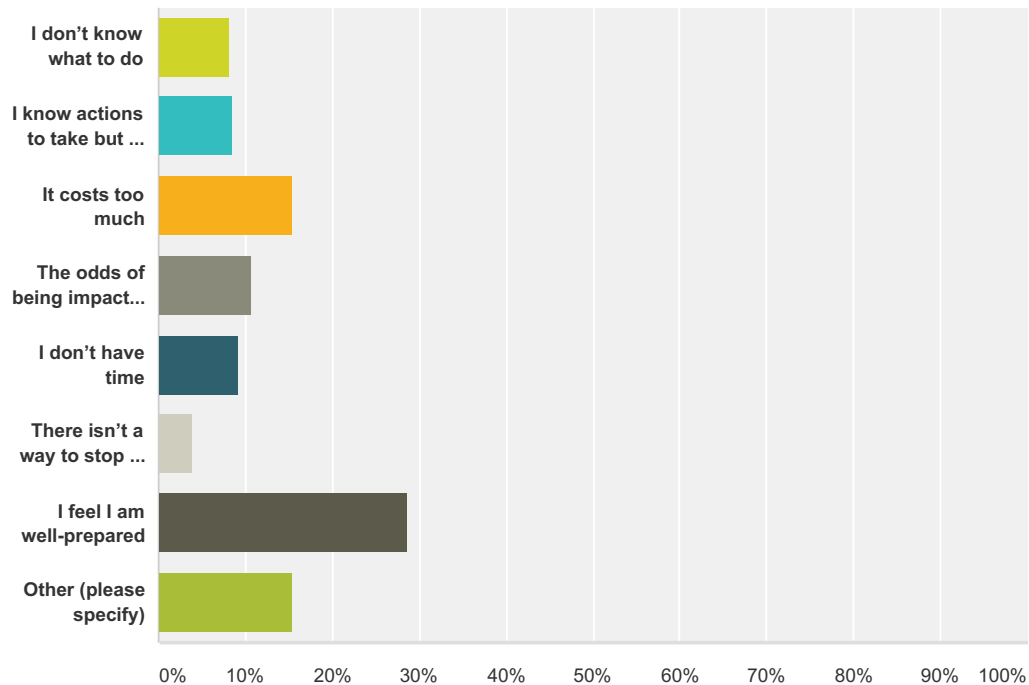
San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses
Yes, I am familiar with the system(s) and I am registered to receive emergency notifications.	62.95% 530
Yes, I am familiar with the system(s) but I am NOT registered to receive emergency notifications.	8.19% 69
No, I am NOT familiar with the system(s) and NOT registered to receive emergency notifications.	28.86% 243
Total	842

Q8 What is the primary reason for not taking actions to reduce your risk and vulnerability to disasters?

Answered: 801 Skipped: 286



Answer Choices	Responses
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San Mateo County, CA Hazard Mitigation Public Questionnaire

I don't know what to do	8.24%	66
I know actions to take but I don't know how to do it (technical expertise)	8.61%	69
It costs too much	15.36%	123
The odds of being impacted are too low to justify the cost or hassle	10.74%	86
I don't have time	9.11%	73
There isn't a way to stop the hazard or the damage anyway	4.00%	32
I feel I am well-prepared	28.59%	229
Other (please specify)	15.36%	123
Total		801

#	Other (please specify)	Date
1	I feel I am adequately prepared for some hazards like fire on our property but can't control when a fire would jump from a neighbors or when the hill across the street might slide down into our driveway.	6/1/2016 9:03 AM
2	I rent, so some things are outside my control	5/31/2016 6:30 PM
3	No good reason	5/23/2016 8:51 AM
4	I'm somewhat prepared	5/2/2016 6:19 PM
5	SMCAAlert does not work since the change to the new service provider. I've tried re-registering twice and it still doesn't work. I know dozens of other people with the same issue. This is the #1 current issue to fix as they won't fix it and don't respond to our requests. Please put pressure on them to actually fix the issues with the system.	5/2/2016 4:32 PM
6	Haven't made the time, busy family with kids	4/22/2016 10:24 AM
7	fairly well prepared.....	4/21/2016 10:49 PM
8	we rent our home and are therefore limited to what we can do.	4/21/2016 12:56 PM
9	As a renter, I can't modify my building	4/21/2016 9:16 AM
10	I'm somewhat prepared but greater prep requires more money.	4/19/2016 3:28 PM
11	procrastination, lazy	4/17/2016 10:10 PM
12	procrastination	4/14/2016 8:26 PM
13	Combo of cost and living on rock in the hills. Zero damage in '89	4/11/2016 5:09 PM
14	I do not own the property I live in. I can't modify it.	4/10/2016 1:26 PM
15	I have no valid excuse.	4/9/2016 9:58 AM
16	I am well prepared in certain areas, not so well in others, but prioritize the most likely and devastating scenarios	4/6/2016 2:42 PM
17	earthquake insurance costs too much and has high deductible	4/4/2016 10:31 AM
18	We are surrounded by 100 foot redwood trees and cannot afford to have them cut down or trimmed 100 feet away from our home.	4/3/2016 11:05 AM
19	It costs too much and takes years to get permits. Impossible.	4/2/2016 7:26 PM
20	Law of attraction - we tend to manifest what we worry about, and I don't know how to prepare without it activating being afraid or worrying. I was more prepared once, with bottled water and canned goods, and the cans expired and it all seemed so wasteful.	4/2/2016 12:05 PM
21	Making time to do all and knowing best place to put emergency items whether in garage, outdoors, indoors, etc	4/2/2016 10:15 AM
22	What a stupid questionnaire	4/2/2016 9:19 AM
23	I am somewhat prepared.	4/1/2016 11:30 PM
24	Procrastination	4/1/2016 9:59 PM
25	some of the actions are things that homeowners do, and my landlord is not very responsive...	4/1/2016 9:55 PM

San Mateo County, CA Hazard Mitigation Public Questionnaire

26	Working on ramping up preparedness.	4/1/2016 2:11 PM
27	My spouse likes to store too much stuff in the garage.	4/1/2016 9:48 AM
28	Would be less "intimidating" if "1-a-week" plans were advertised - e.g. Wk 1 buy water enuf for x days; ...Wk 4 buy shovel/TP for latrines... etc	3/31/2016 5:50 PM
29	Cost is too high for disaster insurance	3/31/2016 5:03 PM
30	Within my limited means do what I can to take care of myself in an emergency	3/31/2016 2:34 PM
31	Owner of property has no incentive to make homes safe...and no punishment for failing to secure buildings	3/31/2016 2:01 PM
32	I live in a townhouse so it is up to the property management and Board of the Homeowners association to take steps to take care of communal areas (outside of my home).	3/31/2016 1:10 PM
33	because I'm not in charge of, don't have access to the money as far as repairs or improvements , there is too much for one female my age to do to clear the slope behind our house of dry brush and grass	3/31/2016 1:09 PM
34	I don't know what to do AND I don't know what to care about	3/31/2016 12:08 PM
35	I feel as prepared as I think I can be.	3/31/2016 10:48 AM
36	Too long to get permits or "permission" from so many agencies! Or impossible to get!	3/31/2016 8:13 AM
37	Pracrastination	3/31/2016 8:09 AM
38	Feel we've done what we can but some things are out of our control. Complacency.	3/31/2016 7:51 AM
39	Procrastination	3/31/2016 2:00 AM
40	I've taken reasonable precautions.	3/30/2016 10:46 PM
41	unorganized	3/30/2016 10:38 PM
42	Lack of cooperation from spouse	3/30/2016 10:23 PM
43	I can not control issues related to isolation other than move.	3/30/2016 8:59 PM
44	Good intentions deferred....	3/30/2016 8:51 PM
45	I'm lazy about it	3/30/2016 8:46 PM
46	But not as well prepared as I should be!	3/30/2016 8:21 PM
47	I am an older adult	3/30/2016 8:14 PM
48	Just have not taken the time to prepare for an earthquake	3/30/2016 8:05 PM
49	I just haven't made it a priority :(3/30/2016 7:53 PM
50	I rent. Insurance too expensive	3/30/2016 7:48 PM
51	get around to it	3/30/2016 7:16 PM
52	I feel I'm somewhat prepared, but need to do more.	3/30/2016 7:05 PM
53	No reason.	3/30/2016 7:02 PM
54	Im a renter and landlord doesnt see it as his responsibility. Eucalyptus tree in yard near entryway and near transformer	3/30/2016 6:59 PM
55	I feel I am prepared but can use additional info.	3/30/2016 6:49 PM
56	I feel fairly well prepared, and it's expensive	3/30/2016 6:47 PM
57	I have taken actions to reduce risk.	3/30/2016 5:55 PM
58	Encroachment from brush of undeveloped properties an ongoing problem.	3/30/2016 5:48 PM
59	Need to get around to it more often.	3/30/2016 5:39 PM
60	Trying to remember to continue to review our preparations seems to not get done often enough	3/30/2016 5:28 PM
61	Most are up to my landlord	3/30/2016 5:23 PM
62	I just keep putting it off....	3/30/2016 5:01 PM
63	procrastination	3/30/2016 4:53 PM

San Mateo County, CA Hazard Mitigation Public Questionnaire

64	Have performed some tasks, but need to review and identify others.	3/30/2016 4:50 PM
65	I need help	3/30/2016 4:42 PM
66	I haven't gotten to it yet but it is on my mind	3/30/2016 4:39 PM
67	I rent and cannot modify property/landscape	3/30/2016 4:38 PM
68	I'm renting, and most of mentioned actions assume ownership of the house.	3/30/2016 4:12 PM
69	NA	3/30/2016 3:48 PM
70	some things are out of my control, flooding due to sea level raise	3/30/2016 3:47 PM
71	I am as prepared as I can maybe not as well prepared as others	3/30/2016 3:43 PM
72	We have food and water. I do wish earthquake insurance were more affordable.	3/30/2016 3:37 PM
73	Dealing with everyday life unfortunately takes precedence.	3/30/2016 3:34 PM
74	I feel we're highly moderately prepared	3/30/2016 3:32 PM
75	Procrastination	3/30/2016 3:15 PM
76	packing a kit & keeping it all up to date/fresh (medications, water etc.) is hard	3/30/2016 3:07 PM
77	Don't trust the government to get involved in an emergency.	3/30/2016 2:55 PM
78	Moderately prepared	3/30/2016 2:41 PM
79	Have to admit I am too lazy and put things off.	3/30/2016 2:40 PM
80	half prepared! just have not gotten around to finishing	3/30/2016 2:39 PM
81	There are aspects which are too costly to implement. but my family has the basics in place should we need them.	3/30/2016 2:37 PM
82	Reasonably prepared, but earthquake insurance costs way too much.	3/30/2016 2:27 PM
83	Health issues, organizational issues (don't know which foods to buy)	3/30/2016 2:24 PM
84	Need to reorganize; cleaning out parents' items in home since both now deceased.	3/30/2016 2:13 PM
85	Haven't gotten around to doing it.	3/30/2016 2:11 PM
86	I have done some preparation, but not a comprehensive plan for all possible risks	3/30/2016 2:08 PM
87	have not made it a priority	3/30/2016 2:08 PM
88	Some things are out of our hands	3/30/2016 2:03 PM
89	Some action	3/30/2016 2:02 PM
90	Competing uses of time/money	3/30/2016 2:02 PM
91	Depends on which action i.e. Earthquake ins is not affordable, need physical help to perform some safety work	3/30/2016 1:56 PM
92	I am in the process of getting prepared	3/30/2016 1:51 PM
93	I feel I am fairly well-prepared.	3/30/2016 1:51 PM
94	I am reasonably prepared.	3/30/2016 1:50 PM
95	experience	3/30/2016 1:48 PM
96	Procrastination	3/30/2016 1:48 PM
97	procrastination	3/30/2016 1:46 PM
98	4, 5, 7	3/30/2016 1:45 PM
99	The City of Pacifica keeps telling us that the flood maps aren't accurate and that we should ignore them.	3/30/2016 1:38 PM
100	i feel we are moderately prepared	3/30/2016 1:36 PM
101	We do as much as we can to mitigate flooding on our street	3/30/2016 1:35 PM
102	I feel that I am "sorta" prepared.	3/30/2016 1:34 PM
103	we will be on our own. Government promises, regulated but cannot deliver in a true large scale emergency	3/30/2016 1:34 PM
104	Don't get around to it/spouse not so concerned (e.g. securing bookcases and other big furniture)	3/30/2016 1:34 PM

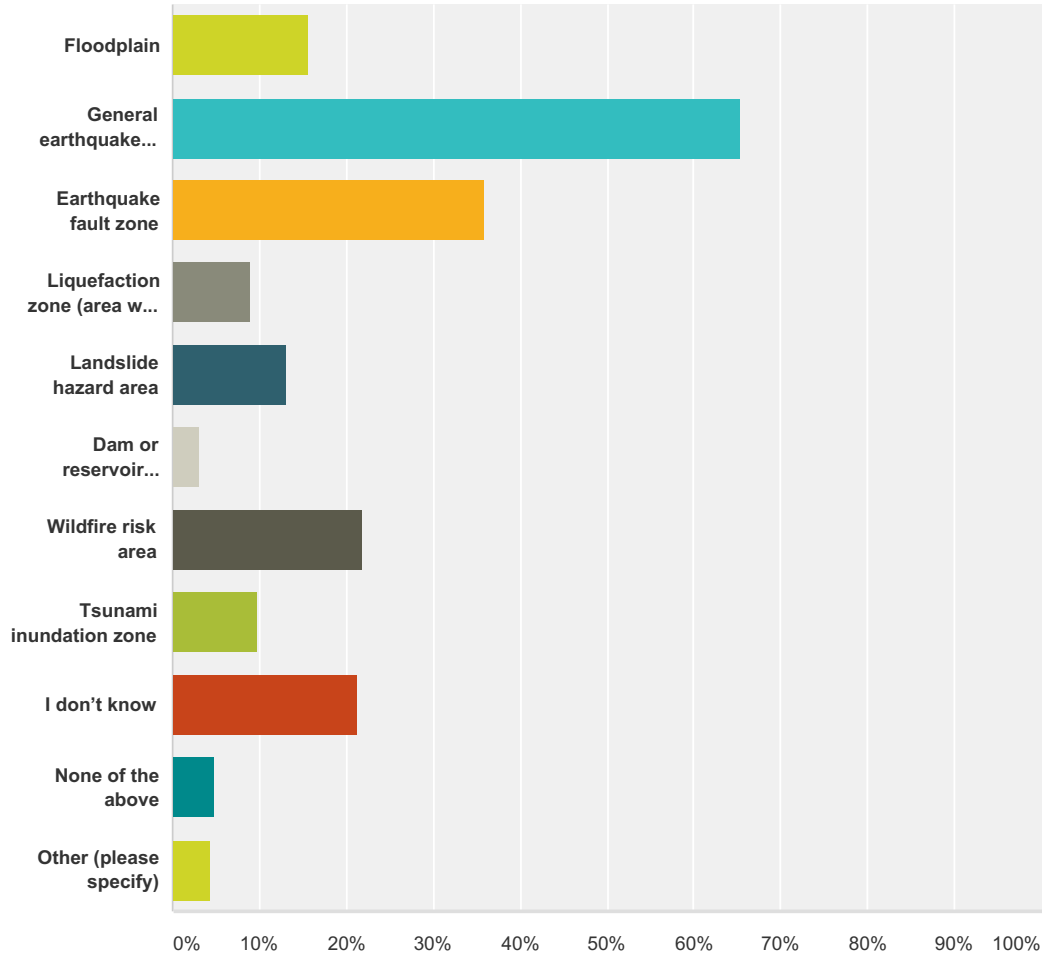
San Mateo County, CA Hazard Mitigation Public Questionnaire

105	I feel I am partially prepared, and need more time to further prepare	3/30/2016 1:32 PM
106	Inertia - I should try harder to do better.	3/30/2016 1:32 PM
107	I am a renter vs. homeowner	3/30/2016 1:29 PM
108	Not planning or thinking of it on a regular basis- therefore it never gets done	3/30/2016 1:27 PM
109	plan to do it	3/30/2016 1:27 PM
110	but could always do more	3/29/2016 9:39 PM
111	I haven't taken the time	3/23/2016 3:47 PM
112	Procrastination	3/21/2016 9:15 AM
113	I live in a retirement community that provides for this	3/20/2016 7:23 AM
114	I try to be as prepared as possible	3/19/2016 10:12 PM
115	I am prepared but there is always more to do	3/19/2016 12:15 PM
116	Inertia	3/19/2016 11:14 AM
117	Senior citizen with limited physical abilities. Can't reach smoke detectors or climb on ladders.	3/19/2016 10:48 AM
118	Don't know what to do, costs too much, and no time to do so.	3/18/2016 5:21 PM
119	I have taken actions to prepare my family	3/15/2016 12:51 PM
120	lazy	3/14/2016 1:57 PM
121	Procrastination	3/10/2016 9:54 PM
122	I keep thinking I'll do it soon, procrastinating.	3/10/2016 2:43 PM
123	I do take actions...see #7 above	3/10/2016 1:06 PM

Q9 Is your home/workplace/school located in any of the following hazard areas? Select all that apply

Answered: 820 Skipped: 267

San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses
Floodplain	15.61% 128
General earthquake hazard zone	65.37% 536
Earthquake fault zone	35.85% 294
Liquefaction zone (area with liquefiable soils)	9.02% 74
Landslide hazard area	13.05% 107
Dam or reservoir inundation zone	3.17% 26
Wildfire risk area	21.95% 180
Tsunami inundation zone	9.88% 81
I don't know	21.34% 175
None of the above	4.88% 40
Other (please specify)	4.39% 36
Total Respondents: 820	

#	Other (please specify)	Date
1	Flight path near SFO	5/6/2016 7:22 AM

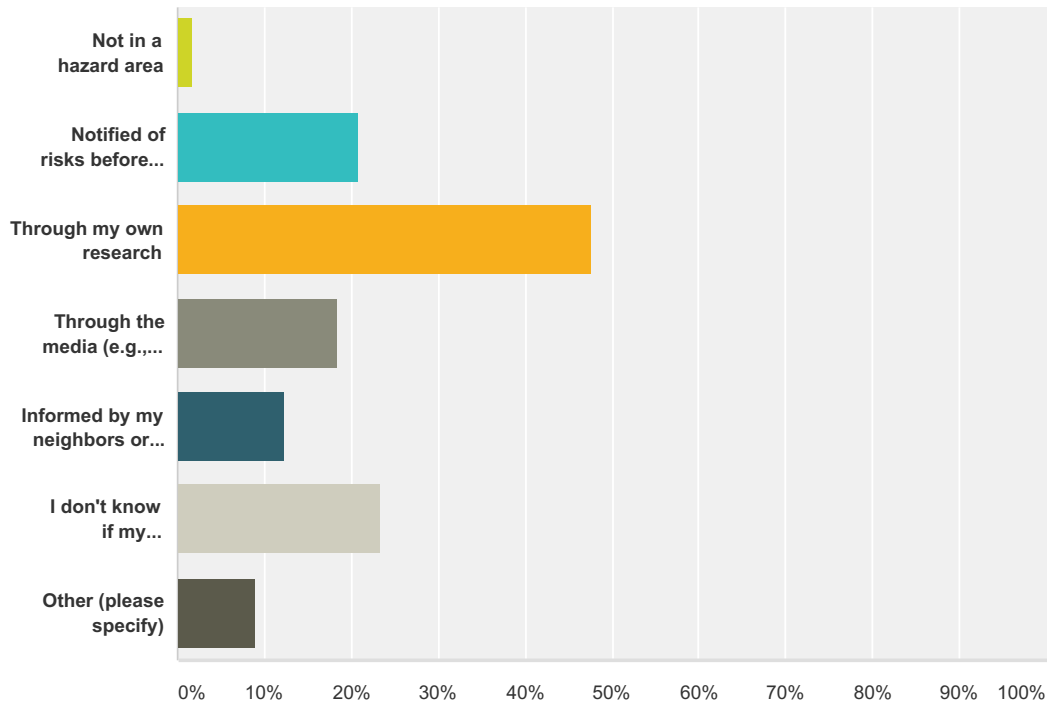
San Mateo County, CA Hazard Mitigation Public Questionnaire

2	near a creek - potential for flooding	5/2/2016 9:10 PM
3	Near Eroding cliff	5/2/2016 6:02 PM
4	unnatural causes / man made	4/20/2016 6:25 PM
5	A beautiful neighborhood but so many trees.	4/19/2016 3:32 PM
6	??	4/16/2016 12:06 PM
7	Used to be flood zone 30/40 years ago	4/13/2016 4:41 PM
8	Airport	4/10/2016 11:37 PM
9	Though on a hillside, flooding from groundwater occurs.	4/10/2016 1:30 PM
10	common sense for wildfire risk, we live in a forest	4/8/2016 9:20 AM
11	I'm not sure if my home is within the inundation zone	4/7/2016 11:16 AM
12	not sure if we are in a landslide area but we live near San Bruno mountain so probably so, not sure about wildfire risk or tsunami risk	4/4/2016 10:08 PM
13	Radon	4/2/2016 10:50 PM
14	Rising bay level would flood our property.	4/2/2016 9:58 PM
15	not sure how close we are to the tsunami but we are in Pacifica, might be high enough or far enough back depends on how bad it is	3/31/2016 1:14 PM
16	Local impact from Tsunami on local roads, water and power.	3/31/2016 11:47 AM
17	San Andreas fault, San Franscisquito Creek, deadend road with no fire hydrants, many, old oak trees, single exit from neighborhood.	3/31/2016 11:02 AM
18	Don't know about work area	3/30/2016 11:01 PM
19	Perhaps my home is at risk of other hazards on this list and I'm unaware	3/30/2016 9:53 PM
20	I was told we were in the tsunami inundation zone and the the county said I was NOT in the zone.	3/30/2016 5:58 PM
21	Gas pipeline	3/30/2016 5:25 PM
22	probably landslide and earthquake zone too	3/30/2016 5:05 PM
23	I need help	3/30/2016 4:51 PM
24	I'm across the street from the slough between Foster City and San Mateo, which I suspect could overflow in heavy rain, or due to an earthquake pushing water into the Bay, or due to some kind of dam failure causing a lot of extra water to flow into the Bay all at once.	3/30/2016 4:07 PM
25	Retired	3/30/2016 3:44 PM
26	on a hillside, but reportedly on bedrock	3/30/2016 3:43 PM
27	I said "I don't know" because I am sure of some of my risks but not others.	3/30/2016 2:25 PM
28	High voltage power lines	3/30/2016 2:24 PM
29	Don't believe we need to worry about landslide for years - cliff is over 150' across from my house (Palisades Dr). Tsunami isn't major concern either.	3/30/2016 2:20 PM
30	across from water towers and new pge pipeline.	3/30/2016 1:49 PM
31	We live in the Bay Area really people!?!?	3/30/2016 1:47 PM
32	I assume we are in a fire hazard area (Emerald Hills)	3/30/2016 1:46 PM
33	Poor street design causes flooding in our neighborhood and specifically our street	3/30/2016 1:42 PM
34	Building Pacifica library in flood zone 2212 Beach Blvd	3/30/2016 1:39 PM
35	Near bio research facilities, and highway 92 spill hazards	3/30/2016 1:38 PM
36	Major gasline	3/30/2016 1:28 PM

Q10 How do you know whether or not your

home/workplace/school is located in a hazard area?

Answered: 807 Skipped: 280



Answer Choices	Responses
Not in a hazard area	1.73% 14
Notified of risks before purchase/rental of my home (by seller, real estate agent, or other)	20.82% 168
Through my own research	47.58% 384
Through the media (e.g., websites, news, public awareness campaign, etc.)	18.46% 149
Informed by my neighbors or colleagues	12.27% 99
I don't know if my home/workplace/school is located in a hazard area	23.30% 188
Other (please specify)	8.92% 72
Total Respondents: 807	

#	Other (please specify)	Date
1	i pay flood insurance	6/1/2016 12:35 AM
2	I live in California	5/23/2016 9:57 PM
3	CERT	5/9/2016 2:36 PM
4	Signs	5/2/2016 4:42 PM
5	pretty much all of California is at risk of earthquakes	4/25/2016 11:07 AM
6	usgs.gov	4/14/2016 8:28 PM
7	Talked at the Geological Survey	4/11/2016 5:15 PM
8	The San Andreas Fault is within a mile of here.	4/10/2016 1:30 PM

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9	I am close to the San Andreas Fault although I suffered no damage during the last major earthquake.	4/9/2016 10:02 AM
10	JCP report when home was purchased	4/9/2016 8:47 AM
11	everywhere in CA is earthquake zone	4/3/2016 11:50 PM
12	Sunami maps were not complete when I bought	4/3/2016 9:01 PM
13	Our insurance company	4/3/2016 11:09 AM
14	When I was young, this was a mudflat, undeveloped. Also, we all know all our lives that we live near the San Andreas Fault.	4/2/2016 9:58 PM
15	Warned of being in earthquake zone when buying my house but sellers did not disclose drainage hotspot status.	4/2/2016 7:30 PM
16	Educated guess	4/2/2016 5:52 PM
17	Used to have flood insurance, but USGS found we were NOT in the flood area	4/2/2016 12:07 PM
18	Experienced previous earthquake, looked at projected climate change flood maps	4/1/2016 9:51 AM
19	Isn't the whole peninsula a general earthquake zone?	3/31/2016 9:44 PM
20	Maybe the map at City Hall? I've seen a map somewhere.	3/31/2016 5:52 PM
21	Redwood City GIS is the best!	3/31/2016 4:46 PM
22	We have attempted to use your old planning mapping system but unfortunately it doesn't work. It is easier to get information from FEMA than locally	3/31/2016 2:19 PM
23	common sense	3/31/2016 1:14 PM
24	Was in 1989 earthquake	3/31/2016 11:27 AM
25	I am a natural hazard expert	3/31/2016 11:20 AM
26	Talk to fire department when it drills in the neighborhood to ask how they would combat fire near or at my house.. I warn them that driving a fire engine down single lane access would prevent any escape trapping all. Memories of Oakland fire and that neighborhood wasn't as dense.	3/31/2016 11:02 AM
27	Earthquake hazard is common knowledge	3/31/2016 1:58 AM
28	i grew up in CA, so earthquakes are a known hazard	3/30/2016 11:43 PM
29	House is 1 inch seperated from supporting structure. I m scared n constantly researching on how it can be fixed without being scammed.	3/30/2016 11:41 PM
30	proximity of San Andreas fault	3/30/2016 10:30 PM
31	comments from USGS geologist friends	3/30/2016 9:53 PM
32	Work=flood area; cabin=woods/hill; all=earthquake areas	3/30/2016 9:05 PM
33	engineering testing with remodel	3/30/2016 8:53 PM
34	independent reasoning	3/30/2016 8:51 PM
35	required to carry flood insurance as deemed to be in flood zone.Just attended a lecture by a local expert on earthquakes so learned a tremendous amount from him.	3/30/2016 8:48 PM
36	Grew up in Mountain View and Sunnyvale	3/30/2016 8:20 PM
37	Title Report	3/30/2016 7:59 PM
38	Informed by county	3/30/2016 7:40 PM
39	Researched city records before buying	3/30/2016 5:35 PM
40	HOA	3/30/2016 5:30 PM
41	I know that the fire departments inspects our property every year.	3/30/2016 5:05 PM
42	Through CERT maps	3/30/2016 4:55 PM
43	Informed guess	3/30/2016 4:37 PM
44	It's kind of obvious.	3/30/2016 4:14 PM

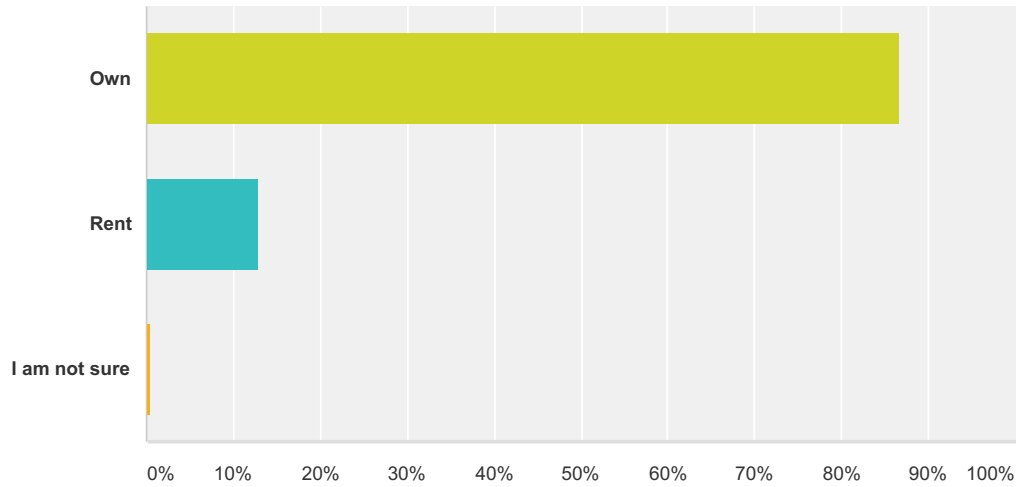
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45	The recent adjustment of the floodplain zone in East Palo Alto by FEMA, learned through local email and Nextdoor social network	3/30/2016 4:04 PM
46	location	3/30/2016 3:43 PM
47	California is a general earthquake hazard zone.	3/30/2016 3:39 PM
48	I live on a steep slope above a wooded area	3/30/2016 3:23 PM
49	Work floods with rain	3/30/2016 3:19 PM
50	Cal Fire extra wild land fire fee & inspections	3/30/2016 3:17 PM
51	hazard maps available online	3/30/2016 3:13 PM
52	I don't think it's located in a specific hazard a	3/30/2016 2:51 PM
53	Lived here all my life to know where the fault lines run and my experience to earthquakes in my home.	3/30/2016 2:25 PM
54	Again, don't believe we need to worry about landslide for years, or tsunami.	3/30/2016 2:20 PM
55	We have had earthquakes in the past years.	3/30/2016 2:08 PM
56	CEAP	3/30/2016 2:04 PM
57	Had to purchase flood ins.	3/30/2016 2:02 PM
58	Home is not designated as hazard area, but weather has caused flooding, trees to fall, and gas pipeline problems have been identified here	3/30/2016 2:01 PM
59	historical hazard zones are no guarantee for the future. New hazard zones are being created by the change in climate.	3/30/2016 2:00 PM
60	Tsunami warning signs are posted	3/30/2016 1:56 PM
61	A native Californian with prior knowledge	3/30/2016 1:53 PM
62	I assume we all live in EQ zone!	3/30/2016 1:52 PM
63	Past wild fire in area and common sense	3/30/2016 1:49 PM
64	"General earthquake hazard zone" is ~the whole state, no? See http://earthquake.usgs.gov/hazards/products/conterminous/2014/HazardMap2014_lg.jpg	3/30/2016 1:40 PM
65	newspaper, local blogs	3/30/2016 1:39 PM
66	ABAG maps online	3/30/2016 1:38 PM
67	i live across from the beach	3/30/2016 1:36 PM
68	Experienced flooding multiple times (no warning)	3/30/2016 1:28 PM
69	guessing based on surroundings	3/30/2016 1:28 PM
70	California, generally, is earthquake territory; visual observation of backyard hill (potential landslide)	3/21/2016 9:17 AM
71	ABAG earthquake map, shake/liqeuaction	3/17/2016 5:24 PM
72	City	3/14/2016 1:58 PM

Q11 If you live in San Mateo County, do you own or rent your home?

Answered: 820 Skipped: 267

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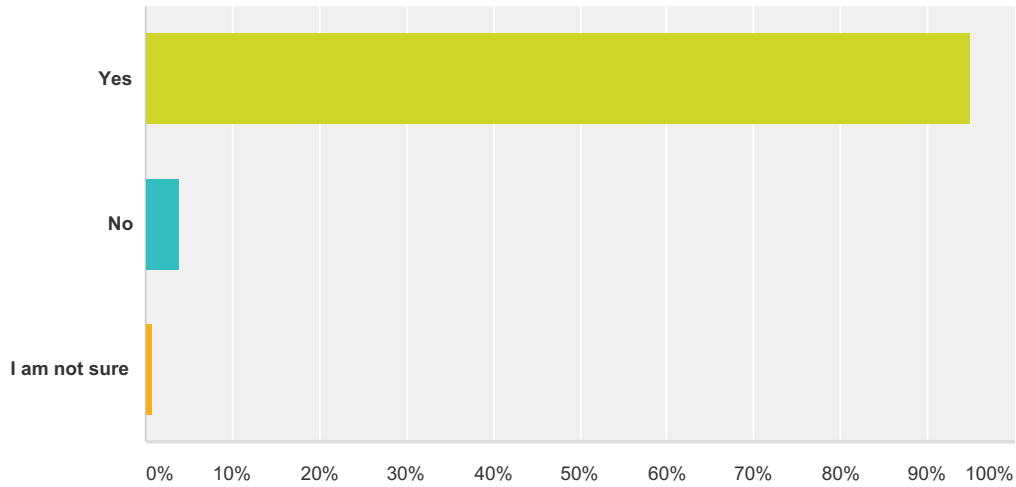
Answer Choices	Responses
Own	86.71% 711
Rent	12.93% 106
I am not sure	0.37% 3
Total	820

#	Comments	Date
1	Do not live in SMC.	5/25/2016 8:32 AM
2	Family Own	5/7/2016 11:04 AM
3	I live in Santa Clara County and work in San Mateo County	4/21/2016 10:15 AM
4	I live in a townhouse with many units and alot of common areas.	3/31/2016 1:12 PM
5	I live in shorebird island community in redwood shores. Most neighbours dont care or hear things. Its sad n i m worried about everybody.	3/30/2016 11:41 PM
6	I live with a family member who owns	3/30/2016 8:39 PM
7	condo	3/30/2016 4:12 PM
8	If I were buying, I'd research this kind of hazard; for renting, who has the time? We had to look at 20 places, and apply to three, to find one that worked for us.	3/30/2016 4:07 PM
9	In the process of inheriting	3/30/2016 2:20 PM
10	Vtv	3/10/2016 10:33 PM

Q12 If you live in San Mateo County, do you have homeowner's or renter's insurance for your property?

Answered: 815 Skipped: 272

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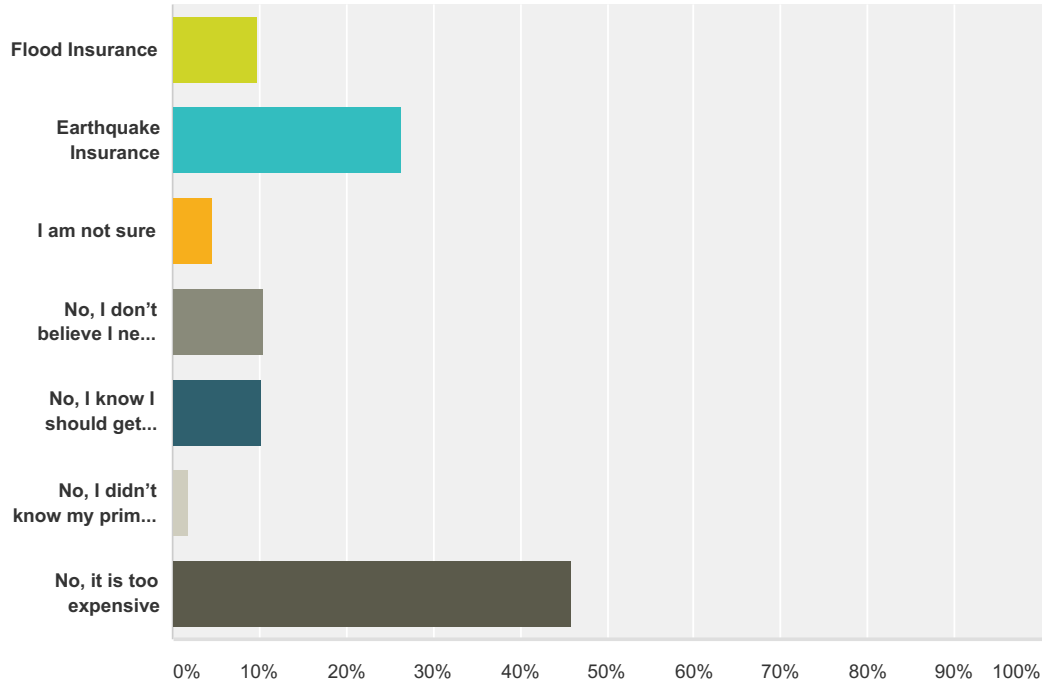
Answer Choices	Responses	
Yes	95.09%	775
No	4.05%	33
I am not sure	0.86%	7
Total		815

#	Comments	Date
1	Do not live in SMC.	5/25/2016 8:32 AM
2	Not earthquake	4/11/2016 5:15 PM
3	I have limited income and that is way too expensive - nice but can't manage	3/31/2016 2:36 PM
4	Family member has insurance, but not earthquake insurance.	3/30/2016 8:39 PM
5	It does not cover earthquakes	3/30/2016 4:08 PM
6	Extremely disappointed to hear flood ins has a max of \$250K	3/30/2016 2:01 PM

Q13 Most homeowner's and renter's insurance policies do not cover damage from some hazards, such as floods or earthquakes. Have you bought specialty insurance policies to provide additional coverage?

Answered: 811 Skipped: 276

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Answer Choices	Responses
Flood Insurance	9.74% 79
Earthquake Insurance	26.26% 213
I am not sure	4.56% 37
No, I don't believe I need it	10.48% 85
No, I know I should get additional insurance, but I haven't done it	10.23% 83
No, I didn't know my primary insurance might not cover hazard damage	1.97% 16
No, it is too expensive	45.99% 373
Total Respondents: 811	

#	Comments	Date
1	We used to carry earthquake insurance before the high deductibles, but the deductible is so high it is likely to cover the damage our house would incur so it doesn't make financial sense.	6/1/2016 2:31 PM
2	Not sure if I still need flood insurance since moving out of Redwood Shores earlier this year to the Howard Park area of San Carlos.	5/31/2016 6:43 PM
3	Earthquake insurance has too many deductibles in the coverage	5/30/2016 2:12 PM
4	Our business is self-insured.	5/25/2016 8:32 AM
5	In the event of an earthquake, everyone will be filing claims so we wouldn't get any money anyway. So why pay for insurance.	5/7/2016 10:06 AM
6	The coverage is too low!	5/4/2016 2:48 PM
7	Renters insurance	5/2/2016 6:02 PM
8	Deductible too high on EQ insurance	4/13/2016 4:41 PM
9	Earthquake ins. is very expensive. House is paid for. We're retired. Good location but it's scary. If costs were lower, we'd buy.	4/11/2016 5:15 PM

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10	I used the money to pay for major seismic upgrade, based on deductible for earthquake insurance, it seemed more appropriate to spend 30+ thousand to take away the threat.	4/9/2016 8:47 AM
11	We are on retirement income.	4/3/2016 11:09 AM
12	Also Jewelry and Art insurance	4/2/2016 10:50 PM
13	It may not be expensive but the deductible is high.	4/2/2016 10:41 PM
14	canceled EQ policy, too expensive	4/2/2016 8:45 PM
15	Deductibles are way too high	4/2/2016 3:04 PM
16	no, anticipate remodel soon and will tie house to foundation, build in safety, then we will qualify for insurance	4/2/2016 12:55 PM
17	Earthquake insurance has such a high deductible, it seems better to save the money and then pay for any damages that might happen.	4/2/2016 12:07 PM
18	I have a separate house than my husband. I have earthquake ins on my property but he has none on his.	4/1/2016 11:35 PM
19	The mandated huge deductible on earthquake insurance makes it a poor financial decision.	3/31/2016 7:32 PM
20	I think it is probably a good idea to get it but my husband disagrees.	3/31/2016 6:45 PM
21	Have gotten quotes this year, haven't purchased yet. Maybe wk N of my plan idea!	3/31/2016 5:52 PM
22	Flood and earthquake insurance is too expensive and there is a risk that the issuing company would just go bankrupt if there was a large event	3/31/2016 4:46 PM
23	we do not own the home or we would.	3/31/2016 2:19 PM
24	Financially, earthquake insurance doesn't make sense.	3/31/2016 1:45 PM
25	I don't have EQ insurance -- not very good coverage.	3/31/2016 11:20 AM
26	Flood Insurance when El Nino threatens. 1962-built house was reinforced and bolted to foundation during 1996 second story addition.	3/31/2016 11:02 AM
27	Very high deductible.	3/31/2016 8:17 AM
28	We have rentals in EPA that have mandatory flood insurance	3/31/2016 6:34 AM
29	Husband will not agree.	3/30/2016 11:41 PM
30	It is expensive and the deductible is too high to make it worthwhile.	3/30/2016 10:49 PM
31	we spent a lot to reinforce the foundation and structure; earthquake insurance doesn't cover much	3/30/2016 10:00 PM
32	I looked into it, but it doubles my premiums and apparently covers next to nothing	3/30/2016 9:48 PM
33	We have flood ins for bus property in SSF; earthquake ins not avail for bus, doesn't seem cost efficient for homes	3/30/2016 9:05 PM
34	Deductibles are ridiculous	3/30/2016 8:58 PM
35	Owner believes earthquake insurance too expensive	3/30/2016 8:39 PM
36	too costly	3/30/2016 5:41 PM
37	deductibles available are over 100k for earthquake insurance - flood has too many loop holes	3/30/2016 5:12 PM
38	Deductible too high, cost too high, cost not warranted given small risk	3/30/2016 5:06 PM
39	and usually doesn't cover all damages. Not worth the cost.	3/30/2016 5:02 PM
40	Denied flood insurance in this region	3/30/2016 4:55 PM
41	No, I don't think I'm covered for those hazards.....	3/30/2016 4:51 PM
42	Earthquake insurance too limited and hard to understand	3/30/2016 4:09 PM
43	I should probably at least _investigate_ flood insurance. :-/	3/30/2016 4:07 PM
44	Forced to buy Flood insurance by FEMA and rezoning.	3/30/2016 3:58 PM
45	...and, YES, it is expensive, but it gives peace of mind	3/30/2016 3:43 PM
46	No, it does not cover enough to warrant getting it in addition to primary insurance	3/30/2016 3:40 PM
47	Earthquake insurance not a good value for what it covers	3/30/2016 3:37 PM

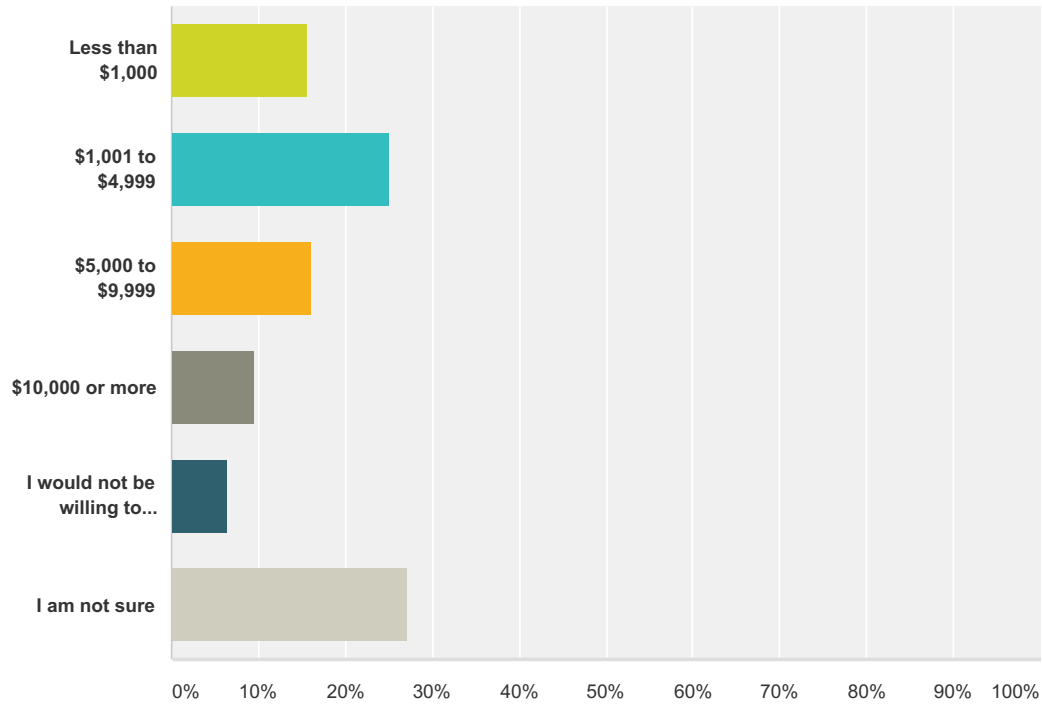
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48	I'm covered by homeowners insurance.	3/30/2016 3:23 PM
49	the cost of flood insurance has risen sharply in past 12 yrs	3/30/2016 3:06 PM
50	Too expensive for what it delivers	3/30/2016 2:42 PM
51	Can afford to self insure; deductibles too high	3/30/2016 2:33 PM
52	Earthquake ins unaffordable	3/30/2016 2:01 PM
53	My life and my families lives are all that matter. All our material items are replaceable. All of my work is replicated in the cloud (Software developer)	3/30/2016 1:55 PM
54	Earthquake had too high deductible. We are not at risk of flood.	3/30/2016 1:49 PM
55	Useless	3/30/2016 1:49 PM
56	Earthquake insurance pooling won't cover in a major distaster. We put the same amount of money into seismic upgrades and enhancements every other year. It isn't financially feasible because there are too many people with too small a pool of money.	3/30/2016 1:48 PM
57	Way tooooo expensive for something that's not going to happen	3/30/2016 1:47 PM
58	we live in the hills, floods are not an issue.	3/30/2016 1:46 PM
59	I am also voting against any public construction in endangered areas.	3/30/2016 1:39 PM
60	My insurance agent advised against buying earthquake insurance as 1. too expensive, 2. deductible is too high, 3. therefore, not worth it	3/30/2016 1:38 PM
61	I inquire about earthquake insurance but it's too expensive.	3/30/2016 1:37 PM
62	I'll need to check about earthquake insurance, not sure	3/30/2016 1:34 PM
63	additional measures to improve wildfire coverage	3/27/2016 4:20 PM
64	I am prepared to self-finance	3/19/2016 5:40 PM
65	too expensive and deductibles too high	3/15/2016 12:54 PM
66	Limited wildfire protection	3/11/2016 12:51 PM

Q14 How much would you be willing to spend to add safety improvements to your home to reduce the possible risks from disaster damage? Examples of safety improvements include, but are not limited to, elevating your home or utilities above the flood level, performing seismic upgrades, or replacing a combustibile roof with non-combustible roofing.

Answered: 776 Skipped: 311

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Answer Choices	Responses
Less than \$1,000	15.72% 122
\$1,001 to \$4,999	25.13% 195
\$5,000 to \$9,999	16.11% 125
\$10,000 or more	9.54% 74
I would not be willing to spend any money	6.44% 50
I am not sure	27.06% 210
Total	776

#	Comments	Date
1	I rent, this is outside my control	5/31/2016 6:43 PM
2	It's not my house.	5/23/2016 9:57 PM
3	It's a rental	5/23/2016 8:52 AM
4	I do not need to do anything given our location.	5/16/2016 7:50 PM
5	I have made significant seismic upgrades already	5/7/2016 4:22 PM
6	I replaced the roof, now fire retardant.	5/5/2016 8:49 PM
7	do not own property	5/4/2016 6:17 PM
8	I live in a rental property	5/2/2016 6:02 PM
9	I'm not in a flood zone, I've made seismic upgrades, I have a tile roof.	5/2/2016 5:16 PM
10	I am renting so I would not be willing to upgrade my landlords property	4/25/2016 2:28 PM
11	I'm not aware of any specific measures I should be taking right now.	4/22/2016 9:22 AM
12	we rent our home and therefore are not willing to put money into these projects	4/21/2016 12:57 PM
13	We've done some things, a shear wall under a beam, bolting the frame down, non-combustible roof.	4/11/2016 5:15 PM

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14	I do not own the property.	4/10/2016 1:30 PM
15	Don't Own/Rent my Apartment	4/9/2016 7:56 PM
16	I've already done seismic upgrades and replaced the roof.	4/8/2016 7:47 PM
17	I'd like an inspection that would tell me what else I might need.	4/7/2016 11:16 AM
18	Depends on the likelihood of a particular hazard.	4/4/2016 4:43 PM
19	We have done all the safety improvements we can afford.	4/3/2016 11:09 AM
20	We have already spent more than \$20,000 for earthquake retrofit and non-combustible roof, so I do not see the need to spend much more.	4/3/2016 7:58 AM
21	I have already done seismic upgrades and replaced my roof with concrete tile, but would be willing to do other things	4/2/2016 10:50 PM
22	we did seismic upgrades after we bought our house	4/2/2016 8:45 PM
23	If permits alone cost tens of thousands of dollars I cannot afford that or cost of repairs or upgrades after buying my house in this inflated market...	4/2/2016 7:30 PM
24	My husband thinks the risk is minimal to the cost.	4/1/2016 11:35 PM
25	I am a renter and this Q has no option for that...	4/1/2016 9:57 PM
26	We have made upgrades	4/1/2016 5:30 PM
27	Retired and live on fixed income	4/1/2016 1:48 PM
28	I have already implmented eathquake retrofit.	4/1/2016 9:51 AM
29	Already have done the pricey items listed.	4/1/2016 7:23 AM
30	Already spent quite a bit	3/31/2016 10:51 PM
31	Not wiling to spend my money on my landlord's home.	3/31/2016 8:46 PM
32	It would really depend on how much I was convinced of the risk and likelihood of disaster striking. Also I would have to convince my husband....	3/31/2016 6:45 PM
33	As part of an HOA, they would be doing building-related retrofits, not me.	3/31/2016 5:52 PM
34	I live in a condo so it is not an individual decision	3/31/2016 5:05 PM
35	The amount depends on the upgrade and if there are any tax incentives	3/31/2016 4:46 PM
36	I have updated earthquake protecting the foundation	3/31/2016 3:06 PM
37	N/A	3/31/2016 2:36 PM
38	this house is a death trap and unfortunately unless county does something about it whomever the tenant is at time of disaster and they are home they will probably be buried alive. saving money to move to new location as county doesn't seem to regulate unsafe structures	3/31/2016 2:19 PM
39	now this is starting to sound like a government money-grab opportunity, of course with pretend 'discounts', really big govt? this is a sales pitch in the end? And here I thought there might be some program or at least a class you would be offering. Guess those outstanding pensions have to be paid somehow and how better than fear, right	3/31/2016 1:14 PM
40	Improvements are limited to inside my home.	3/31/2016 1:12 PM
41	Depends on the need, risk and value	3/31/2016 12:33 PM
42	Depends on mitigation measure	3/31/2016 11:20 AM
43	Done all I can think of. Replaced interior wood paneling with sheet rock during 1996 remodel.	3/31/2016 11:02 AM
44	As renters, there's definitely a limit to what we'll change to the actual house.	3/31/2016 10:28 AM
45	already had foundation clips put on 1973 home to bring it up to current standard by contgractor	3/31/2016 9:17 AM
46	I have a townhouse and am not responsible for the roof	3/31/2016 9:08 AM
47	I rent an apartment so permanent safety improvements would be difficult.	3/31/2016 12:16 AM
48	Each life is more presious then any money. Specially if wasted on luxury rather than safety.	3/30/2016 11:41 PM
49	I've already spent several thousand dollars, so the amount checked above is the additional amount I would be willing to pay	3/30/2016 10:30 PM

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50	we already spent nearly \$20,000	3/30/2016 10:00 PM
51	I would want a prioritized risk list with estimated costs to answer this question	3/30/2016 9:53 PM
52	Happy to spend the money on construction but not on the endless circles of the Town of Woodside's dysfunctional planning department	3/30/2016 9:48 PM
53	We have done seismic upgrades to bus property. Improvements to homes have been done (foundations, sprinklers, roofs...)	3/30/2016 9:05 PM
54	Our home was totally remodelled two years ago.	3/30/2016 8:53 PM
55	I would expect a retrofit to be about \$10,000, but hope it is less!	3/30/2016 7:15 PM
56	I rent. Isn't that landlords responsibility?	3/30/2016 7:01 PM
57	Depends on the improvement, cost and true cost/benefit factor.	3/30/2016 6:52 PM
58	senior income	3/30/2016 5:41 PM
59	Depends on what the improvement is.	3/30/2016 5:30 PM
60	Again. This is up to the landlord	3/30/2016 5:24 PM
61	I'm moving out of state at the end of the year.	3/30/2016 5:15 PM
62	there would need to be multiple levels of cost options - with energy efficient windows/appliances you must buy the MOST expensive to get any rebate. Improvements would need to be on a sliding scale or scaleable to various budgets some protection is better than none. Current options are extreme expense for moderate improvement or none at all.	3/30/2016 5:12 PM
63	I rent so I cannot improve my home significantly	3/30/2016 5:08 PM
64	This question asks about the specific dollar amount I would pay for a non-specific risk, and this is meaningless. The dollar amount I would spend for each risk mentioned differs by risk.	3/30/2016 5:06 PM
65	We have a non-combustible roof, clear our land, put in double pane windows etc.	3/30/2016 5:05 PM
66	I do not have the extra money to cover those expenses....	3/30/2016 4:51 PM
67	Have done most of these	3/30/2016 4:48 PM
68	Roof replaced, residence built to code	3/30/2016 4:45 PM
69	I'm a renter and won't invest in a property not my own.	3/30/2016 4:42 PM
70	I don't think there is anything else we can do that would cost money except insurance	3/30/2016 4:08 PM
71	I do not own my home	3/30/2016 4:08 PM
72	I am retired on a small income.	3/30/2016 4:07 PM
73	We really should invest in stuff like bolting our TV shelf to the wall and attaching the TV to the shelf, and things like that. We just haven't had time, though. More expensive stuff, we can't afford to invest that kind of money in a property we don't own.	3/30/2016 4:07 PM
74	But would encourage the landlord to do so	3/30/2016 3:54 PM
75	My house is newer and many of these issues were taken into account during construction	3/30/2016 3:50 PM
76	have made improvements already	3/30/2016 3:48 PM
77	Already spent \$25 buying duct tape and plastic in case of flooding.	3/30/2016 3:39 PM
78	I would do so as part of a major remodel.	3/30/2016 3:35 PM
79	I have already replaced our shingle roof with fire-retardant.	3/30/2016 3:24 PM
80	zero	3/30/2016 3:23 PM
81	cost was built into a recent remodel < 10 yrs ago	3/30/2016 3:13 PM
82	we rent	3/30/2016 3:09 PM
83	thru tax dollars to upgrade sanfranciscuita creek to handle 100 yr flood volume so willows neighborhood would be removed from FEMA required flood insurance	3/30/2016 3:06 PM
84	We have a new house that has the seismic upgrades and non-combustible roof.	3/30/2016 2:49 PM
85	I live in a condo	3/30/2016 2:42 PM

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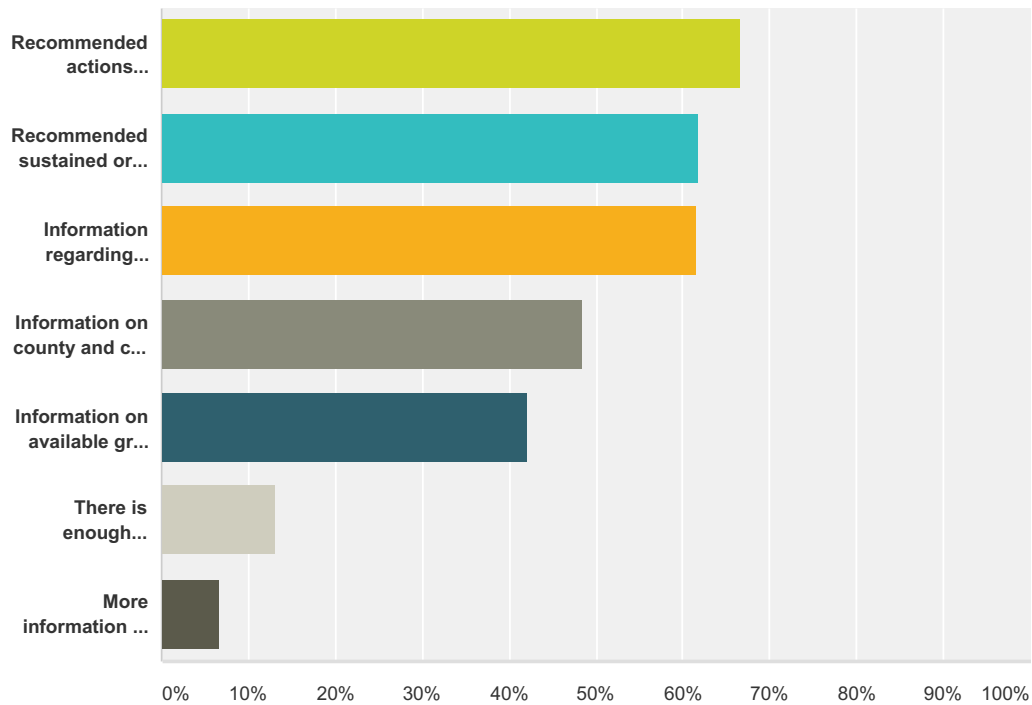
86	Depends on improvement; I have non-combustible roofing and seismic upgrades	3/30/2016 2:33 PM
87	Just finished a complete remodel which included safety measures	3/30/2016 2:25 PM
88	depends on cost vs benefit analysis	3/30/2016 2:24 PM
89	Depends on what's needed, but most likely \$5k-\$10k	3/30/2016 2:20 PM
90	Considered safety improvements when we bought the house	3/30/2016 2:14 PM
91	already done	3/30/2016 2:09 PM
92	we have a non-combustible roofing	3/30/2016 2:08 PM
93	I just performed seismic upgrades; will replace shake roof with shingles only when shakes get old	3/30/2016 2:04 PM
94	secure home from earthquakes	3/30/2016 2:03 PM
95	need to understand the risks then figure out the cost of improvment. This question doesn't make sense.	3/30/2016 1:56 PM
96	Easier to move to another house if this one becomes sub-par. This one is in good shape.	3/30/2016 1:55 PM
97	If there was an improvement needed that would make a difference, I would pay for it.	3/30/2016 1:54 PM
98	I am renting	3/30/2016 1:52 PM
99	As much as I could afford... but expect at least this amount checked above	3/30/2016 1:49 PM
100	We already have spent over \$150,000 in seismic upgrades. Counties should NOT be requiring permits for this type of work - permit okay but the fees are NOT.	3/30/2016 1:48 PM
101	Only interested in better securing house to foundation and furniture to walls (which I can do myself)	3/30/2016 1:47 PM
102	I've already made seismic improvements.	3/30/2016 1:46 PM
103	My home is less than a year old, I would hope the builder and the city made these safety improvements while in the planning/permit phases.	3/30/2016 1:45 PM
104	It would be up to my landlord	3/30/2016 1:42 PM
105	Home is new, needs no upgrades.	3/30/2016 1:42 PM
106	Already paid for bracing/bolting, non-combustible roofing, clearing landscaping for utilities	3/30/2016 1:41 PM
107	Cant spend because I fear loosing home in next 5 years	3/30/2016 1:40 PM
108	If my home needed those? But it doesn't, so not sure how to answer. "Not sure" isn't right because that applies to how much I'd spend. Your data is less valuable when your answers don't cover all possibilities!	3/30/2016 1:40 PM
109	FEM:A map will force purchase of flood insurance; raising levee should be via bond financing, not special assessment district. Costs of raising levees needs to be spread over the large number of payers and amortized over the longest period possible. Same for upgrade of sewer plant.	3/30/2016 1:38 PM
110	I do this a part of my routine home maintenance	3/30/2016 1:38 PM
111	Depends on what needs to be done.	3/30/2016 1:37 PM
112	More likely to spend for these improvements if I got an insurance discount.	3/30/2016 1:36 PM
113	I am a renter	3/30/2016 1:36 PM
114	Elevating my house is not practical, all other safety improvements listed have already been done.	3/30/2016 1:35 PM
115	because I'm a renter	3/30/2016 1:30 PM
116	Already did it when we moved in.	3/30/2016 1:28 PM
117	Would spend more if home owner	3/30/2016 1:28 PM
118	already replaced combustibile roof	3/29/2016 9:41 PM
119	Z	3/20/2016 7:23 AM
120	I've already replaced roof with new fire and ice vents, and done a seismic upgrade as the first step in doing other sustainability measures.	3/19/2016 10:51 AM
121	it really depends on what is being done and how useful it would be to my home.	3/17/2016 5:24 PM
122	need to address risk vs cost to make an appropriate decision	3/15/2016 8:25 PM

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123	I might consider special window coverings or outdoor fire sprinklers	3/15/2016 12:54 PM
124	I would spend if I had to, but nothing needs to be done at this time	3/12/2016 4:03 PM
125	what we can do we have done.	3/11/2016 9:19 PM
126	depends on risk and cost	3/11/2016 12:51 PM
127	But I think I have done everything needed.	3/10/2016 3:51 PM

Q15 Which of the following types of information would be most helpful to you in helping you reduce your disaster risks? Select all that apply

Answered: 774 Skipped: 313



Answer Choices	Responses
Recommended actions residents can take to prepare effectively for when a disaster occurs	66.54% 515
Recommended sustained or long-term actions residents can take to minimize the effects of hazards on property	61.89% 479
Information regarding hazards impacting my home	61.50% 476
Information on county and city disaster management capabilities	48.45% 375
Information on available grant programs for property buyouts or safety upgrades	42.25% 327
There is enough information available for all these topics	13.05% 101
More information is needed on hazards (list hazards below)	6.72% 52
Total Respondents: 774	

#	More information is needed on hazards (list hazards below)	Date
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San Mateo County, CA Hazard Mitigation Public Questionnaire

1	Finding a reliable person to do the work at a fair price	5/30/2016 2:22 PM
2	Coastal erosion	5/2/2016 6:04 PM
3	Laws regarding vegetation reduction in publicly owned areas	5/2/2016 5:34 PM
4	Sea Level Rise	5/2/2016 4:44 PM
5	Terrorism and other extremism, active shooter at schools - there is nothing now/no plan - weak policies and barriers	4/27/2016 3:08 PM
6	Have a family event at schools to help kids and parents prepare	4/22/2016 10:29 AM
7	What to do/how to prepare for plane crash & hazmat.	4/21/2016 9:50 AM
8	Information to landlords (cc tenants) on vulnerabilities	4/21/2016 9:19 AM
9	unnatural causes / man made	4/20/2016 6:27 PM
10	reasonable cost upgrades as a group for reasonable charge	4/13/2016 4:45 PM
11	Seismic Evaluation & most effective, least cost.	4/10/2016 5:26 PM
12	Communication in emergencies with family - website to check in with others	4/9/2016 3:53 PM
13	Terrorism, tsunami	4/7/2016 11:18 AM
14	We need to act to help reverse global warming - plant trees, take care of existing trees, find ways those who live near raniforests can make a living without cutting down more trees - like harvesting foods that grow naturally in the understory.	4/2/2016 12:10 PM
15	Doesn't a fire road exist behind Shell Dance that police could open for car exit in a disaster?	4/1/2016 11:40 PM
16	an email or a flier to residents alerting them to resources would be helpful	4/1/2016 10:02 PM
17	Communication and transportation impacts expected within the county by zone/area	3/31/2016 5:54 PM
18	actually have a program that actively engages the community, has a program for community resilience at a all levels, has a digital extension of resilience program, has software that works online for those that actively want to discover information, provide workshops and giveaways like they do in San Francisco, enforce and regulate owners who have properties that are not safe, follow the lead of more progressive Counties, be open to change, work with the community not preach to it	3/31/2016 2:39 PM
19	Earthquake	3/31/2016 1:05 PM
20	Emergency evacuation plans for neighborhood.	3/31/2016 11:07 AM
21	Fire Hazards: . . . Regional fires caused by earthquake, drought, power loss, or any panic. . . Remembering that every house here is made out of wood (no compounds by ordinance) . . . Fire fighting water lost if earthquake causes water pipe breaks or power loss to water pumps & to diesel station pumps . . . Long drought = no water . . . Power failure causes pump failures = no water in hills . . . Any panic where everyone leaves at once & fire trucks caught in traffic jam & fire-personnel can't get to their posts.	3/31/2016 10:56 AM
22	Flooding mitigation	3/31/2016 7:48 AM
23	Help me think about worst case scenario. That is what motivates me.	3/30/2016 11:32 PM
24	gas pipeline. I also wish OTHERS got more informaiton about the hazards of trees too close to their homes	3/30/2016 10:03 PM
25	County building and planning pro active support, not opposition!	3/30/2016 9:02 PM
26	Owners of property at risk should be notified. I learned through my own research.	3/30/2016 8:21 PM
27	Falling Trees (onto homes or property); reducing fear through information & action	3/30/2016 8:00 PM
28	Tsunami escape route signs in Midcoast lead people to increased hazard at Surfers' Beach.	3/30/2016 7:55 PM
29	set engineering standards for retrofits; action plan for sea level rise for my neighborhood; deadlines for implementation	3/30/2016 7:18 PM
30	What we can do as renters	3/30/2016 7:04 PM
31	Emergency routes to get out of the Bay Area should the need arise. I don't believe any planning has taken place and we will be doomed by traffic and bridge issues.	3/30/2016 6:59 PM
32	clear, easy to read earthquake and flood maps	3/30/2016 5:47 PM
33	Airplane crash, flooding, earthquake	3/30/2016 5:29 PM

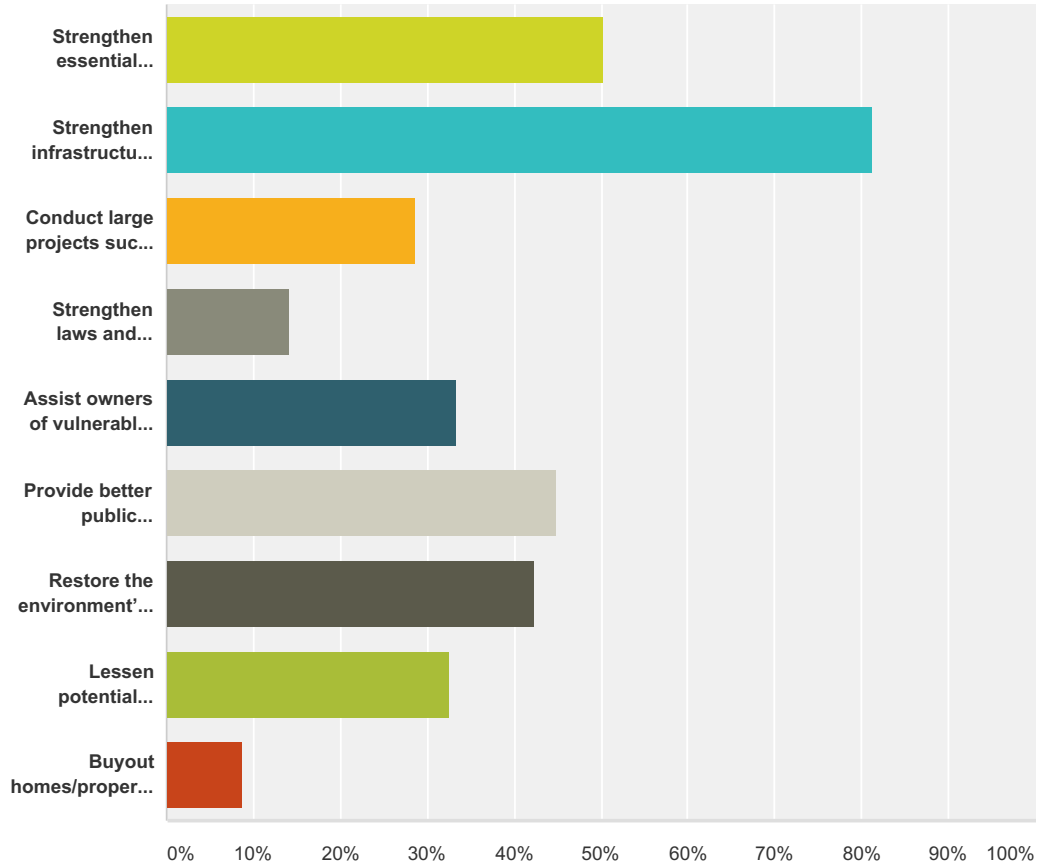
San Mateo County, CA Hazard Mitigation Public Questionnaire

34	The basics, water, shelter, food are the most important when a disaster hits and there are NO gov't plans in place to respond. The hazard is those without who will want to take from those who have.	3/30/2016 5:20 PM
35	Something similar to what's been done for energy and water savings -- send somebody through to look at what actions are possible, and then subsidize getting them done. Maybe even just combine disaster-prep with the existing utility-review programs, so one person is trained to draw up a plan for both resource savings and disaster prep.	3/30/2016 4:12 PM
36	the information is out there, it's a matter of people being able to obtain it	3/30/2016 3:56 PM
37	flooding due to sea level rise	3/30/2016 3:52 PM
38	low-cost or free help to implement the advice	3/30/2016 3:42 PM
39	social media connectivity with county disaster agency, OES	3/30/2016 3:15 PM
40	1-day class or clinic, on-line video on building an emergency kit including resource info/where to buy. Or have the county offer materials at a reduced rate due to counties buying power	3/30/2016 3:11 PM
41	info on city & county plans for improving flood controls on sanfransiquita creek	3/30/2016 3:08 PM
42	Specific lists of supplies needed to get by for 1-2 weeks	3/30/2016 2:28 PM
43	Should look into anchoring home to foundation. Insurance says my folks have done it, but I don't know what it looks like.	3/30/2016 2:23 PM
44	More info on how to identify hazards. More info on who and how to get hazards handled BEFORE damage	3/30/2016 2:06 PM
45	Live on a creek in heavily wooded area. Flood and fire	3/30/2016 2:05 PM
46	pge pipeline and water towers on san bruno mountain.	3/30/2016 1:51 PM
47	Flooding	3/30/2016 1:44 PM
48	Have county stand behind state and federal flood maps.	3/30/2016 1:40 PM
49	Earthquake, water damage (i.e crawlspace) drove me nuts trying to research and I gave up.	3/30/2016 1:29 PM
50	Flooding	3/30/2016 1:29 PM
51	period community meeting and YouTube videos	3/19/2016 10:53 AM
52	Nlv	3/10/2016 10:35 PM

Q16 What types of projects or actions should districts, local, state, or federal government take to reduce damage and disruption from disasters in San Mateo County? Please pick your top three priorities.

Answered: 779 Skipped: 308

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Answer Choices	Responses
Strengthen essential facilities such as police stations, fire stations, and schools	50.32% 392
Strengthen infrastructure, such as roads and water supply systems	81.13% 632
Conduct large projects such as building/ improving dams or drainage systems	28.63% 223
Strengthen laws and regulations in hazard areas such as floodplains	14.25% 111
Assist owners of vulnerable property find funding for risk reduction projects	33.38% 260
Provide better public information about risk and vulnerable areas	44.93% 350
Restore the environment's ability to absorb the impacts from hazards, such as wetland restoration and rain gardens	42.36% 330
Lessen potential impacts from climate change	32.48% 253
Buyout homes/properties located in high-hazard areas or suffering from repeated damage	8.73% 68
Total Respondents: 779	

#	Comments	Date
1	Require all major remodels to include safety upgrades and stop approving building permits in hazardous areas (steep slopes).	6/1/2016 2:33 PM
2	building levees in bay to protect people in flood zones	5/31/2016 7:28 PM
3	The information available is written in a very scientific manner. I just want to know what risk I have, but I have to go through a lot of different maps and understand minutia about soil makeup to figure it out. It would be great to be able to plug in my address and get the risks.	5/31/2016 6:45 PM

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4	Much of the county is prone to danger; people need a place to live and will gamble that nothing bad will happen while they live there. We cannot afford to buy everyone out much less find a safer place for them to live.	5/30/2016 2:22 PM
5	Stop letting new development happen on the unincorporated midcoast as there is too much traffic to make a safe exit in case of some emergency, whether it's a natural disaster or a medical emergency.	5/2/2016 4:35 PM
6	Loosen environmental restrictions to get things done, create a law to allow priority protection projects and forward progress	4/27/2016 3:08 PM
7	We shouldn't be buying out people that purchased in high-hazard areas. If they made a bad personal decision it is not the government's responsibility to solve that problem. Also after any large floods, subsequent to any initial emergency funds, that should be the last time the government pays to rebuild an address. The 2nd and future times if floods should be 100% owner's responsibility - please don't reward people for repeating bad decisions.	4/22/2016 9:27 AM
8	Public notification of vulnerable properties (placards out front)	4/21/2016 9:19 AM
9	Strengthen supports for nonprofits	4/20/2016 7:01 AM
10	Also, fund CERT program.	4/12/2016 8:57 PM
11	Money is always the issue. Hard to limit to 3. Need more info about community cooperation. Make CERT classes more available.	4/11/2016 5:19 PM
12	More financial support for CERT teams.	4/10/2016 1:32 PM
13	Better educate people so they can prepare (allow more CERT type trainings)	4/5/2016 10:49 AM
14	All schools should be disaster centers and have 100% solar energy.	4/2/2016 10:01 PM
15	include medical centers, hospitals with essential facilities	4/2/2016 8:47 PM
16	And take care of people who pay extremely high property taxes in unincorporated areas but get zero services from the taxes they pay.	4/2/2016 7:33 PM
17	Make sure our water supply pipelines are more up to date, and our PG&E gas lines are safer, so less likely to rupture.	4/2/2016 12:10 PM
18	Use some intelligence when approving plans	4/2/2016 9:21 AM
19	Neighborhood-specific CERT exercises.	4/1/2016 9:53 AM
20	you need to do all of these...and start looking at disasters from just catastrophic events and start looking at it from a holistic approach- what are the daily stresses on the community, how do we make disaster planning and preparedness truly part of the community, build a comprehensive resilience program with daily engagement community events, neighborhood bbq's, to build localized associations that organize and educate their neighbors, etc...	3/31/2016 2:39 PM
21	All are important!	3/31/2016 12:34 PM
22	Stop allowing increased density (tearing down one small house, subdividing and building two huge houses with minimal setback, which aggravates potential disaster. More cars, people, impervious surfaces.	3/31/2016 11:07 AM
23	Promote community action through CERT	3/31/2016 10:14 AM
24	Earthquakes have the biggest disruption potential. And the ability to deliver water after a big earthquake is critical.	3/31/2016 8:20 AM
25	Hard to choose	3/30/2016 10:58 PM
26	Truly & effectively regulate utilities (e.g. PG&E) to maintain their distribution channels	3/30/2016 9:55 PM
27	Enough growth in down town area. They put a big burden on public service, amount of water they need - where is that to come from? Don't approve the anymore bayside growth - i.e. Cargill. Work on wetland restoration. Think about then invironment	3/30/2016 9:53 PM
28	Eliminate ASRBs and HOAs, which are gigantic barriers to safety in California - ESPECIALLy ASRBs	3/30/2016 9:51 PM
29	Implement plan to accommodate population on coast if slide/fire/damage makes HWY 1 or 92 inaccessible to emergency or other services getting in/out coastal areas	3/30/2016 9:08 PM
30	I don't know which of the 1st two items have highest priority	3/30/2016 9:03 PM
31	Get the state to step up and fix the marsh in Pescadero and the flooding	3/30/2016 9:02 PM
32	Help organize neighborhood groups in emergency assistance/first-aid, etc.	3/30/2016 8:43 PM
33	Disaster readiness for state services (e.g. online services, means of communication, etc.)	3/30/2016 8:28 PM
34	investing in relevant technology research?	3/30/2016 7:35 PM

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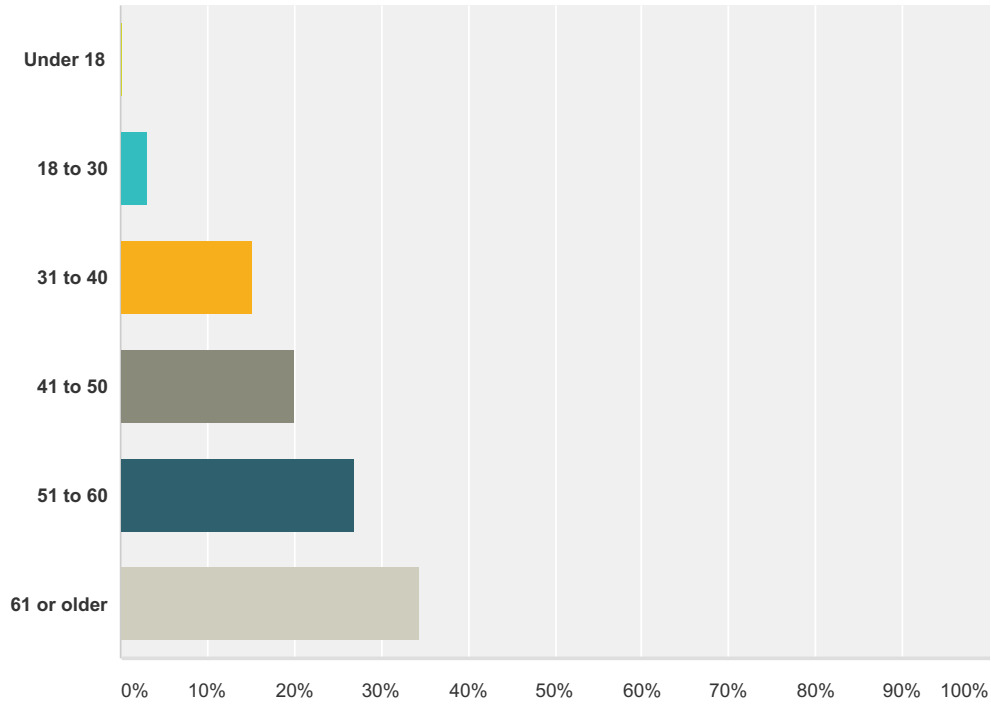
35	Rising sea level is a major concern because it affects the long stream profile of our creeks. Ask your geologist about long stream profiles	3/30/2016 7:13 PM
36	Government should by people out who knew they were possibly buying a problem property. If you want to help those people then provide the same help to those who had the sense to buy a safe property but also had to pay more because it was a safer property.	3/30/2016 7:10 PM
37	Remove dam on San Francisquito Creek	3/30/2016 6:43 PM
38	Have realistic plans for how you will address a massive earthquake	3/30/2016 6:35 PM
39	Get CERT groups established in Belle Haven area of eastern Menlo Park	3/30/2016 5:47 PM
40	Start telling hard facts as most idiots still think catastrophic climate shift is a hoax	3/30/2016 5:25 PM
41	require all new building to have grey water systems; limit number of new homes; water limits all year round; traffic is a huge problem on the coast during a minor collision a disaster would be exponentially worse for evacuation and or first responders this is not being addressed	3/30/2016 5:16 PM
42	There is insufficient info provided to make a meaningful cost-benefit tradeoff for any of these.	3/30/2016 5:07 PM
43	asking me to pick only three of these is ridiculous; all of them are important, though at different levels. Federally, dealing with climate change and appropriate several hundred billion for infrastructure would be the top priorities; locally, stuff like info on floodplains and fire risks, and local programs for home retrofits, are more important; at the regional level (Bay Area wide) protecting and restoring wetlands could help with flooding / tsunami type issues.	3/30/2016 4:12 PM
44	I think during an earthquake our biggest concern will be water access. We can store only so much, and that is our largest concern.	3/30/2016 4:11 PM
45	Developers should not be allowed to build in floodplains without paying to improve protections. Require disclosure that a property lies in an area of higher risk locations before individual's build or developers sell a property.	3/30/2016 3:56 PM
46	not sure, need more info to prioritize	3/30/2016 3:52 PM
47	Stop building on landfill aeas	3/30/2016 3:46 PM
48	Better communication DURING disaster to coordinate response and inform residents in SIMPLE English (reverse 911 calls, text alerts)	3/30/2016 3:42 PM
49	Take action to reduce erosion of the beach	3/30/2016 3:15 PM
50	improve county's ability to communicate with citizens during emergencies via social media	3/30/2016 3:15 PM
51	I am concerned about the event of a flood should the Crystal Springs resevoir break in a major earthquake. As far as I know we do not have any warning systems in the event it breaks.	3/30/2016 2:40 PM
52	You would get kickback for pointing out hazard zones from property owners for 'ruining' their property values, but do it anyway.	3/30/2016 2:30 PM
53	Educate neighborhoods to care for one another in disasters	3/30/2016 2:28 PM
54	Information regarding trustworthy providers of services such as foundation bolting and the like.	3/30/2016 2:19 PM
55	Not an expert here, so these are only based on	3/30/2016 2:06 PM
56	In Half Moon Bay, we are especially vulnerable to being cut off from the rest of San Mateo County as a result of having only two routes in and out - Highways 92 and 1. More planning needs to be conducted to ensure we have adequate means of assistance (medical, fire, tsunami, personal injury, etc.) if those are closed.	3/30/2016 1:57 PM
57	Provide free no bias assessment of what we should do to our house. Also the disaster plans never made sense to me. If we need to leave our house in emergency where else would be safe? Maybe a list of good evacuation places by neighborhood would be helpful.	3/30/2016 1:51 PM
58	Our home is new and the drainage pipe clogs and the rain water floods our street and homes. Much needed infastruacter improvements are needed.	3/30/2016 1:48 PM
59	The levies and pump stations along SF bay near Coyote Point need brought up to FEMA standards!	3/30/2016 1:41 PM
60	FEMA is our primary threat. Get FEMA to change maps back to the way they were. They are forcing us and government to spend more money than necessary.	3/30/2016 1:40 PM
61	Don't build public buildings in tsunami inundation zones.	3/30/2016 1:40 PM
62	no new public buildings in hazard areas	3/30/2016 1:39 PM
63	Provide emergency supplies in event of power outages	3/30/2016 1:29 PM

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64	As a student in public health, I think all of these are necessary DUTIES for government to take to protect its residents!	3/18/2016 5:26 PM
65	Incentivize homeowners to have emergency supplies and "go" packages	3/15/2016 1:02 PM
66	I live right on a creek, and haven't gotten much info about the risk of that, or any help with clearing growth in the creek. Clearing my own growth wouldn't help if my neighbors don't do theirs.	3/12/2016 4:06 PM
67	Woodside Fire needs a new Station 7. It's a 1949 structure.	3/11/2016 2:52 PM
68	Assure that PG&E has a valid emergency plan and equipment	3/10/2016 3:54 PM

Q17 Please indicate your age range.

Answered: 790 Skipped: 297

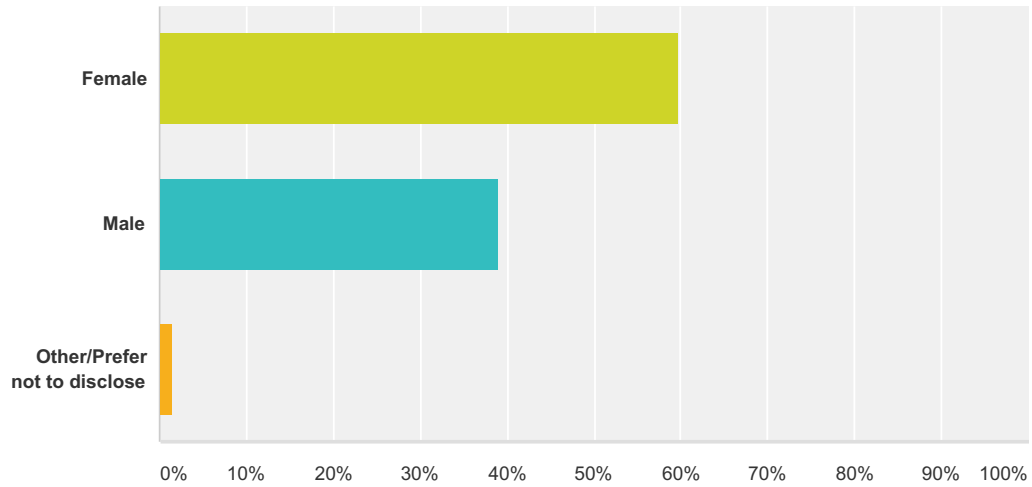


Answer Choices	Responses
Under 18	0.25% 2
18 to 30	3.16% 25
31 to 40	15.19% 120
41 to 50	20.13% 159
51 to 60	26.84% 212
61 or older	34.43% 272
Total	790

Q18 Please indicate your gender.

Answered: 790 Skipped: 297

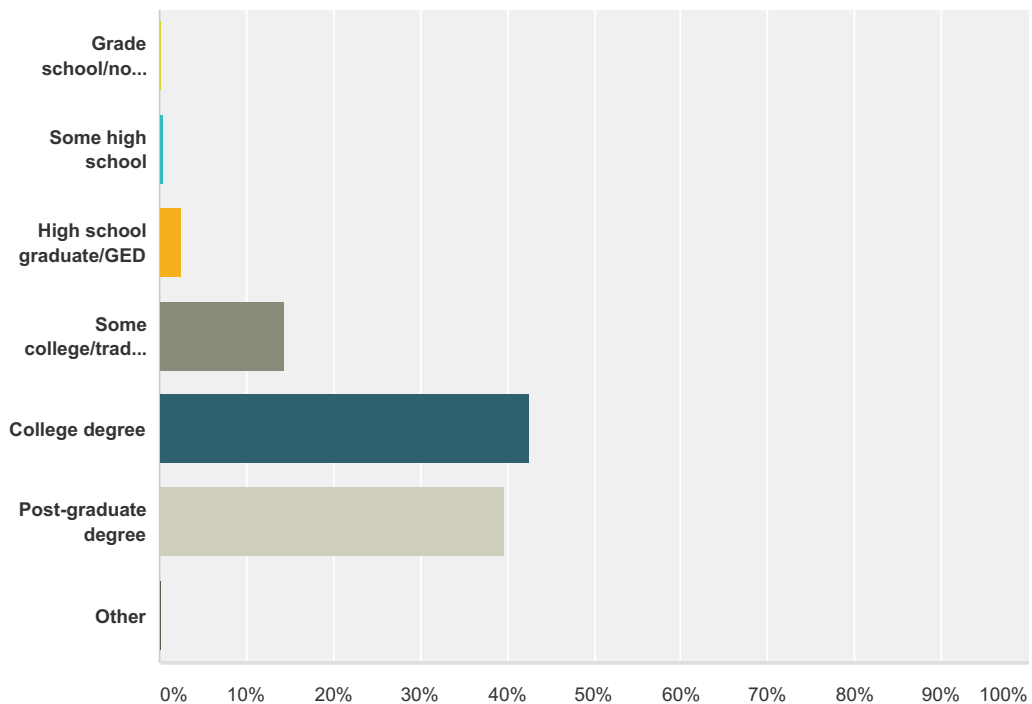
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Answer Choices	Responses
Female	59.62% 471
Male	38.99% 308
Other/Prefer not to disclose	1.39% 11
Total	790

Q19 Please indicate your highest level of education.

Answered: 786 Skipped: 301



Answer Choices	Responses
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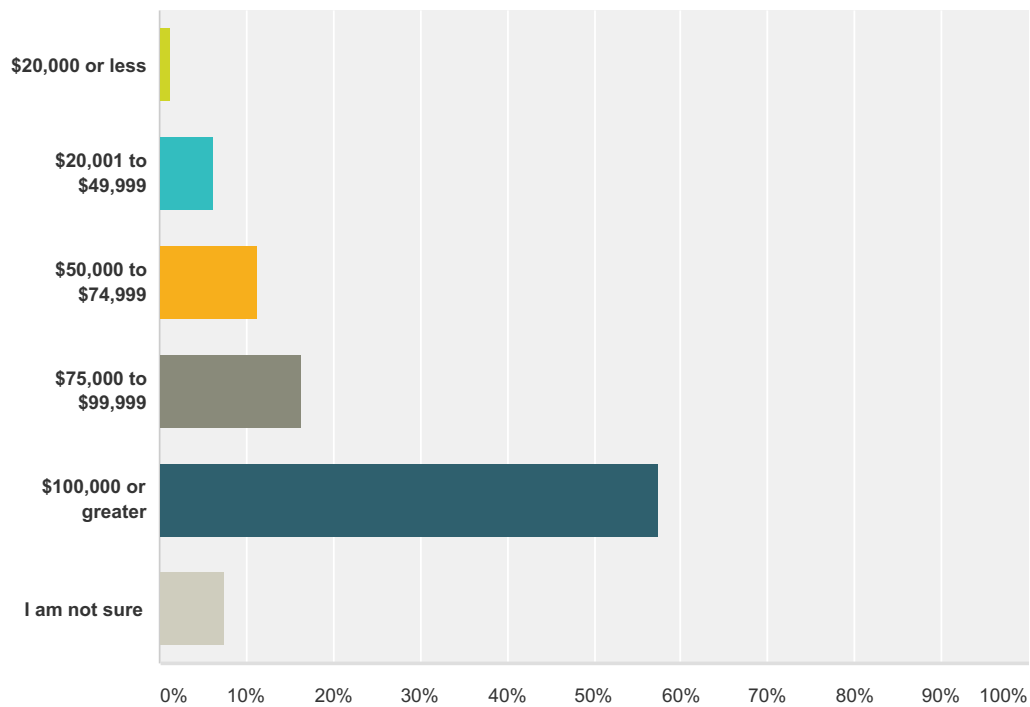
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Grade school/no schooling	0.13%	1
Some high school	0.38%	3
High school graduate/GED	2.54%	20
Some college/trade school	14.50%	114
College degree	42.49%	334
Post-graduate degree	39.69%	312
Other	0.25%	2
Total		786

#	Other	Date
1	Na	3/30/2016 6:35 PM
2	M.D.	3/30/2016 3:32 PM

Q20 Please indicate your gross annual income (total income before taxes and other deductions).

Answered: 739 Skipped: 348



Answer Choices	Responses
\$20,000 or less	1.22% 9
\$20,001 to \$49,999	6.36% 47
\$50,000 to \$74,999	11.23% 83
\$75,000 to \$99,999	16.24% 120

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\$100,000 or greater	57.51%	425
I am not sure	7.44%	55
Total		739

Q21 If you have additional information you would like to share about your knowledge and experiences regarding hazards in San Mateo County, please use the box below.

Answered: 105 Skipped: 982

#	Responses	Date
1	I am concerned about the parking of vehicles on the winding narrow roads in the Emerald Hills area. There are very few ways in and out which could become blocked in the event of a wildfire or earthquake. Downed power lines and road hazards could significantly reduce the ability of Fire personnel to access areas to mitigate fire and render aid.	6/1/2016 9:16 AM
2	Since you're asking me about my annual income, this income will be a lot less when I retire. The same applies to those on fixed incomes. Increasing taxes will not help any of us.	5/31/2016 7:30 PM
3	The survey is directly targeted at residents and they are an important source of information and input. Another important source of information is the business community in San Mateo County. How involved in this update to the SMC Hazard Mitigation Plan is the 1) SMC Private Sector Advisory Committee for Disaster Preparedness, 2) the County's Chamber of Commerce for each major city, and 3) other local and regional business organizations? Businesses play a key role in the county's ecosystem and will be an important player in disaster response.	5/25/2016 8:39 AM
4	Housing Inspector	5/7/2016 11:08 AM
5	Revamp Code enforcement with capable personnel.	5/6/2016 7:26 AM
6	Communication on preparedness and community involvement is vital to response and recovery in case of large hazards.	5/4/2016 6:24 PM
7	We live in Moss Beach very near the Fitzgerald Marine Reserve. The county put up a tsunami warning siren very near our home but it does not function during tests. We've been told the siren has been made inoperable by the County. The question is: Are we in the tsunami flood zone or not.	5/2/2016 6:27 PM
8	Please keep the Mirada Road erosion in Miramar at a high level of attention. There are services in the street that are at risk.	5/2/2016 6:06 PM
9	The subterranean rock scarp in Moss Beach: Seal Cove does not slip during earthquakes, however, following an earthquake the area below the scarp settles more and slides downhill.	5/2/2016 4:45 PM
10	Please fix SMC Alerts system. The new provider they switched over to is unreliable. I've re-signed up twice and still don't receive alerts.	5/2/2016 4:36 PM
11	Your current alert system is intermittent. Friends get some alerts that I don't and vice versa. Same subscriptions. Something changed. I am deeply concerned about this.	4/27/2016 3:10 PM
12	I am angry that so much construction is going on at sealevel by the Bay. All of those buildings will be impacted by known sealevel rise and then the taxpayers will be levied fines (parcel fees) to pay for it because the developers are not required to deal with it.	4/25/2016 11:12 AM
13	Landlords need to provide notification of their vulnerabilities and what structural improvements have been made. Renters need to be aware before signing a lease (for example, on a soft-story earthquake-vulnerable building ... have the garages been re-reinforced? Are cripple walls shored up? Is the foundation bolted?).	4/21/2016 9:21 AM
14	I'm a North Fair Oaks resident. Perhaps the County could offer existing neighborhood associations more one-on-one info. specific to their neighborhoods--a little "fine-tuning" as it were. I forgot to add I'm very concerned about the possibility of a train derailment as I live only two blocks away from the railroad tracks. Many of my neighbor's backyards run along the tracks. Does anyone know for sure that hazardous materials are not being transported through our neighborhoods? Thank you for this survey.	4/19/2016 3:55 PM

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15	As a current CERT member, there is a lack of funding for the program. In comparison to other cities, San Mateo is lacking in basic equipment.	4/12/2016 8:58 PM
16	Saw us do well in the hills of San Carlos in '89 quake. Think we've all become too casual about risks since then. We reduced risks in our home as have some others. Neighbors used to network in a block potluck annually to be sure whoever was home could turn off neighbors' utilities if indicated in a disaster. Also used to network about emergency care in a disaster, e.g., where we might gather, who would have good dressings, first aid skills, etc. We all kept water, food. Don't anymore. The County, cities could encourage this.	4/11/2016 5:25 PM
17	Every city should have an active, properly funded, CERT team.	4/10/2016 1:33 PM
18	Member of Millbrae CERT Team	4/9/2016 7:59 PM
19	I take morning walks to Hillsdale Mall. I can not help noticing the gaping underground entrance that gives potential terrorists open access to the entire mall from underneath. There is absolutely nothing, no security at entrance, that would hinder a giant truck loaded with explosives from gaining entrance and being detonated under a packed mall filled with the wives, husbands and children, of some of the most powerful and influential people in the west coast. The target seems obvious to me. I have approached security guards to discuss the vulnerability and once I bring it up they admit it is now obvious to them as well. I can not go into the mall at Christmas time without thinking about it. The owners of the mall should be made aware of the possible threat and heavy security gates that can be opened remotely from the security office should be required when they do the Sears remodel.	4/9/2016 9:06 AM
20	I've been in earthquakes, including 1979, the San Bruno natural gas explosion, many terrible storms, including one that took my roof off, and flooding. When we were younger and healthier, these were easier to cope with: a stocked pantry and freezer, camping gear, a water tank and a sense of humor was all it took. As we age and become less able, these situations move from adjusting to worry and panic. I believe that the demographics of an area affected by emergency is important as well as other worries. How will you identify homebound people? How will you help folks who need medication? There are a lot more questions like that. But it seems that just like when the team visits each home to declare it safe or red-tagged, there also needs to be a team to evaluate the folks who live in those homes and get special needs identified.	4/7/2016 11:27 AM
21	I just think Redwood City has known about the flooding issue in North Fair Oaks for SO long and has sat around and not worked hard enough with Menlo Park or Atherton to resolve the flooding that happens every time it rains. East Bayshore residents get the brunt of the flooding---it's always the low SES families that are affected and NO one in the city cares to rectify this issue. Not until it affects them.	4/5/2016 11:50 AM
22	Air pollution is our worst hazard.	4/2/2016 10:03 PM
23	I do not live in an identified flood zone, and was not warned of the drainage issues on my property by the sellers, that they clearly knew about. Every time I try to get help from any County agency, they say they can't do anything because we're unincorporated. I pay exorbitant property taxes and have been told I will have to pay exorbitant permit fees to try to fix the issues. How can someone resolve issues with absolutely no support from the County? I have lived in several other CA counties and regret the day I chose to m	4/2/2016 7:39 PM
24	It would be great to have CERT meetings in neighborhoods. And encourage businesses to send employees.	4/2/2016 3:08 PM
25	Please do not spread fear! That does not help. Give people actions they can take that will be a long-term improvement for the environment, like restoring marshes and forests and planting trees on their own properties and community property. Encourage other communities to restore the natural environment as well. Don't scare people about not watering their landscape - encourage them to reduce/eliminate lawns and thirsty plants, and take care of existing trees and plant more!	4/2/2016 12:12 PM
26	The main problem has been county incompetence and lack of action	4/2/2016 9:21 AM
27	County supervisors should not be allowing "in-fill" of questionable areas in the county for housing etc. The needed services are not being expanded now to provide for the projects here and presently being built. Additionally, areas like Watertank Hill are high risk in MANY respects and permits should be denied based on the experts submission of dangers to existing homes and the future homes on site.	4/1/2016 5:35 PM
28	A little late for this. Government has neglected the sewer system so that repairs are now astronomical. I have learned not to depend on any government help in a disaster. sorry, but that is what I have learned for the gross negligence I have seen.	4/1/2016 10:30 AM
29	I would like to work with San Mateo County & California Poultry Federation to offer a low-cost workshop for backyard small flock owners on husbandry, biosecurity, and disease mitigation. Keeping chickens is a fun and growing trend, but does present a risk to the CA commercial poultry industry and to flock owners if avian influenza (of a form transmissible to humans) ever makes it to the US. The CPF has funding to put on these workshops that include high-quality speakers. I need a venue to accommodate ~100 with a projector screen, and advertising to the county.	4/1/2016 9:59 AM

San Mateo County, CA Hazard Mitigation Public Questionnaire

30	There is plenty of information available on potential hazards, but much of it is difficult to understand. I like the Redwood City GIS because it includes a section with information on hazards, like if your property is located in a flood or earthquake zone, but even that is difficult for a layman to make sense of. It would be nice if the county had information on which preparedness measures make sense for which "hazard zone" you might fall in.	3/31/2016 4:53 PM
31	Open your doors to new ideas and opportunities about community resilience. The traditional government response and mitigation strategies as outlined by this survey have come a long way both in theory and practice. Last year I reached out to officials in San Mateo to discuss resilience, neighborhood problems, and participation and to date have not heard back on any of the separate communications. It would be wonderful to see you help create communities, community programs, and become part of the community vs just an information and asset/resource allocation center with a response mechanism. In the short time I have lived here, I have seen murder, flooding, minor economic inequality/discrimination, accidents, near accidents, drunk drivers, noise pollution, graffiti, and constant stresses on families and businesses just in the the surrounding 5 blocks. Just for context we pay close to \$4,000 a month in rent and expenses for a home that is in what should be a nice neighborhood and community but seems to be under-served.	3/31/2016 3:23 PM
32	Would be willing to share what I had written for the agency I worked for about [families] and how/what/when to prepare - I know you have a lot of information and it is very good - but there are a lot of things missed and some of it is useless for renters.	3/31/2016 2:39 PM
33	My largest concern in San Mateo County is the continuing business and residential development in low lying areas that are behind levees. East Palo Alto, East Menlo Park, and all County lands east of 101 should not be developed without major levee reconstruction. School children should not be subject to flooding in the middle of the night due development in areas know to be subject to sea rise. More laws should be in place to curb and development for business such as Facebook on that side of 101.	3/31/2016 12:07 PM
34	flooding insurance is so expensive....	3/31/2016 11:21 AM
35	When we moved to Stanford Weekend Acres in 1986, it was a rural neighborhood. Today, getting onto Alpine Road is difficult during rush hour..Speculators have bought, subdivided, maxed out and sold lots which originally had a small house on it. Single lane roads were not designed for this high density. Traffic within neighborhood is dangerous. Kids can't play safely outside as before.	3/31/2016 11:15 AM
36	try to keep cellphone towers reinforced against earthquake damage. communication is very important for family members and cell phones are the best way to do it in my experience. i was living in the DC area when 911 attacks on the pentagon ocured and the sniper team shootings a year later as well as numerous hurrocanes.	3/31/2016 9:23 AM
37	Our three generations can attest that the problems are the same....not new. We have just dealt with it differently and seem to find new obstacles to solving the ongoing problems! It is more difficult, far more expensive, and the project time has been extended. In a sentence, "it appears that a BUSINESS has been created around simply taking care of our needs"..... But then perhaps we should do a STUDY on that!	3/31/2016 8:30 AM
38	Something we found as a family useful and informative while living in Memphis TN, was a small emergency kit given to children at the Zoo and county fair. The kit was prepared by Shelby County Public Health and included: USCG approved emergency drinking water, antimicrobial hand wipes, 4 adhesive bandages, 1 pair medical gloves, chemical light stick, whistle and cleansing hand wipe packet. All fit in small plastic cylinder. Wrapping included essentials checklist and contact information. The purpose inspired our children to create a kit, practice fire drills at home and learn what to do in flood or tornado. Having lived in inner city Memphis-it was effective for the children to be informed and spur emergency preparedness.	3/31/2016 6:49 AM
39	I do not want city, county, state, national, government to spend any money on the pseudo issue of climate change.	3/31/2016 5:32 AM
40	My redwood shores home looks beautiful but 1inch detached from back structure. I feel due to sinking ground (reclaimed land). There was already fooding problem. Neighbor suffered more than us for flooding issue. I feel/hear 1-2 seconds tremors and cracking sounds underground twice in a day last week. I m worried for my family and also neighbors. Last earthquake i saw pgAndE's pole shaking long after earthquake. I m in shprebird island community in redwood shores.	3/30/2016 11:49 PM
41	Best would be if community were organized to respond locally to disaster but there have never been enough people who cared at once.	3/30/2016 10:59 PM
42	Additional suggestion: as home battery storage technology improves, assist residents/businesses that have solar energy systems in obtaining batteries that would enable them to go off the grid, which would make them more resilient to disasters while also reducing their carbon footprints.	3/30/2016 10:50 PM
43	There are so many of us who want to make seismic upgrades but we can't because of onerous Town building restrictions - to a point of true absurdity in the Town of Woodside. ASRBs need to be abolished statewide for this reason. For a foundation repair, I am required to submit a full architectural submittal, costing an additional \$10K. Grants are offered in Oakland but not in Woodside, despite the fact that not everyone in Woodside can afford the expensive upgrades.	3/30/2016 9:55 PM

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44	'89 earthquake showed more vulnerability in SM county than we'd expected. Major accidents can isolate population on coast now w/o any other major catastrophic issues; what are we going to be faced with if that happens? Tsunami evacuation seems to be only issue being addressed here, & then what will happen if accident on HWY 1?	3/30/2016 9:13 PM
45	Reducing fear and empowering the community, including seniors, those with mobility limitations, children, and families should be a priority. Media such as talk radio, social media, cable TV, can be used effectively to help people recognize their personal and property vulnerabilities, and learn steps to strengthen their situation.	3/30/2016 8:07 PM
46	San Mateo has seemed like a pretty safe place.	3/30/2016 7:44 PM
47	What happens when the tunnel that san mateo creek flows through under downtown fills completely (100 year storm)? Where does the extra water go?	3/30/2016 7:15 PM
48	I live where there is a carport. I've seen some landlords reinforcing. How can I get mine to do the same? Trees near power lines. Whose responsible for the cost. Your suggestions in part 1 were helpful. I'd like to know who is responsible for what as a renter.	3/30/2016 7:07 PM
49	If a major disaster was to occur in San Mateo County, or more specifically here is Half Moon Bay, the roads would become useless. Nothing seems to be done about the terrible gridlock on Hwy1 and Hwy 92 on any normal day, let alone during a disaster. This will be, and is, the biggest flaw on the coast.	3/30/2016 6:24 PM
50	Potable water would be a big huge fast problem in my neighborhood if anything big happens to disrupt the water service, earthquake, cyber attack or electrical grid problem. no clean natural water source.	3/30/2016 5:49 PM
51	I feel that I am well prepared for any disaster....I have taken 3 different CERT classes.	3/30/2016 5:41 PM
52	Need more rescue boats and trained personal in Foster City Need prescription drop off in Foster City	3/30/2016 5:31 PM
53	I believe a major air disaster in Daly City is inevitable because the height limits are not enforced and San mateo does NOTHING to protect its citizens from noise pollution and daiky FAA violations	3/30/2016 5:29 PM
54	You need to get the community more involved through programs like CERT and Map Your Neighborhood. The other element is your communications in this area is very inadequate considering the population and the number of qualified emergency personnel. People will need to communicate and police/fire/cell phones will not handle the traffic alone. You need to work with existing amateur radio orgs who have the equipment and basic training and just need a refreshed sense of purpose. There are way more of them than there are of the paid folk who can't afford to live here anyway and will be concerned about their own families when the time comes.	3/30/2016 5:27 PM
55	I've worked in temporary animal shelters during wildfires in Santa Barbara County - having well organized/orchestrated human and animal evacuation shelters makes a huge difference in compliance. What ever the disaster, Pacifica is going to have a huge problem with traffic - most neighborhoods are dead ends with one way in/out for both evacuees and responders; One fenderbender can result in hours of gridlock - Tsunami alarms are tested weekly - what about drills?	3/30/2016 5:22 PM
56	Most of what I have learned, came from CERT. I think Pacifica should take greater efforts to address a HWY 1 emergency. If it is damaged, it bisects our City. We cannot get to our homes, children at school, or escape if in the wrong end of town if HWY 1 is compromised.	3/30/2016 4:59 PM
57	We live on San Francisquito Creek. In the 40+ years we have been here, there have been probably two times when the water lever reached a significant level. However, the growth of plants,, shrubs, trees etc. in the creek is quite significant. There has not been a good clean-out for many years. Don't know what would happen if the Searsville dam gave way, but that could be an issue if there ws a large storm at the time.	3/30/2016 4:58 PM
58	I think a program designed for low-income families (who complete a CERT program or other emergency preparedness program) to be eligible for free emergency equipment/supplies would directly help communities unable otherwise to prepare for a disaster.	3/30/2016 4:50 PM
59	I wasn't sure whether the gross annual income was just me personally, or my household. Our household income is around \$185k.	3/30/2016 4:12 PM
60	I am a Coordinator in District 10 and I have completed the CERT course and I also attended the Flood course in Menlo Park at the fire station.	3/30/2016 4:03 PM
61	A lot of flooding occurs in areas where storm drains and drainage systems are not properly maintained. This is a crumbling infrastructure and funding issue. Before any government agencies spend money on new programs, fix the basic things first!	3/30/2016 3:59 PM

San Mateo County, CA Hazard Mitigation Public Questionnaire

62	ShotSpotter is a great help in East Palo Alto for locating gunshots but we need social programs for jobs to reduce gun violence. Teens especially are more likely to be killed or wounded by gunshots than many other types of injuries. As for "normal" disasters like floods or chemical spills: We have NO WAY TO EVACUATE in East Palo Alto. East Bayshore is being reduced to 1 lane over the bridge near Laura Lane. Daily commute already blocks the roads near Bayshore and Ikea and Willow Road. Best help for mass disaster is a clear plan on how to get gun-toting, pitbull-owning residents to shelter in place.	3/30/2016 3:47 PM
63	Survival is up to individual preparedness. We cannot depend upon an overworked fire or police department, ambulance service or hospital, at least for the first few days.	3/30/2016 3:32 PM
64	I have lived in other countries where many semi trailers full of emergency supplies arrive, along with military resources (lighting, generators, pumps, mobile laundry & driers, kitchens, shelter, etc) arrive quickly at disaster scenes. Don't see that here, just reliance on Red Cross, then commercial contractors later.	3/30/2016 3:25 PM
65	cities/towns should be discouraged from allowing building in vulnerable areas. Fire hazard is not well policed - homeowners need to be patrolled & told to clear brush - change landscaping.	3/30/2016 3:13 PM
66	People need knowledge on survival after a catastrophic event. We cannot depend on the police to feed us. We cannot depend on police to protect us in the worst cases. Should be help with survival skills such as shelter building, fire starting, hunting with snares and similar tools, gathering roots and bugs for emergency food, protecting self and family from less-prepared people.	3/30/2016 3:11 PM
67	Perhaps San Mateo county should start asking those who own more than 2 cars to be remove them. It brings messes, fire hazards, destruction of property etc....Streets are not a public car lot.	3/30/2016 3:06 PM
68	thank you for this ..	3/30/2016 2:45 PM
69	Seems like East Palo Alto south of the county is left out of outreach county activities. More door to door outreach is needed for low income communities.	3/30/2016 2:45 PM
70	We need to practice disaster response at all levels of government to the neighborhood level	3/30/2016 2:45 PM
71	I would like it if you don't abuse forums such as Nextdor to post silly updates. I understand emergencies but seriously car accident is not an emergency unless the devil slide is block completely. respect everyone and don't post things that people aren't interested in liking on your facebook or twitter feed.	3/30/2016 2:44 PM
72	The SM Coastside needs more than 1 ambulance for a population over 13,000 people !! Supplemental ambulance support from San Mateo/Belmont may not be available if roads/bridges to the Coastside are damaged during a major earthquake.	3/30/2016 2:38 PM
73	I think I know what to do about the big events like earthquakes but I do not know what to do about power outages, floods from the Bay, trees falling over etc. Is all that stuff channeled through 911?	3/30/2016 2:38 PM
74	My 94 year old mother lives in Foster City. I am very afraid I will not be able to get to her if bridges (both over water or over 92) fail. Any plans for that ?	3/30/2016 2:33 PM
75	Need more regulations about development in hazard zones.	3/30/2016 2:31 PM
76	Information is scattered all over the place. I know my earthquake hazard, but I'm not sure if I'm in a wildfire zone, I don't know if a tsunami would reach high enough to affect my house, and I don't know exactly what disaster supplies I need. A single website with interactive maps, plus basic shopping lists, would be such a help.	3/30/2016 2:29 PM
77	I know what I need to do to prepare for an earthquake, but can't afford it. I have no idea if we are in a flood plane, but I would guess no.	3/30/2016 2:22 PM
78	First priority should be identifying and implementing ways to prevent further development of and unnecessary exposure to hazard prone areas knowing not all hazards can be identified like mag of earthquake, but prevention is better than clean up. Protect and assist people in existing hazard areas by REQUIRING education on hazard preparedness, transparency and oversight of all organizations involved, and holding those accountable for the harm they cause.	3/30/2016 2:18 PM
79	I fear that most hospitals will not be organized well enough to handle triage for a major earthquake. UCSF's earthquake plan included triage to SFGH which is all the way across the city. With a major earthquake transit would be difficult if not impossible,so, the plan in my opinion was not practical. I reported to work while on my honeymoon during the Loma Prieta earthquake. I was one of the few who came in voluntarily.	3/30/2016 2:14 PM
80	One of the reasons we have not purchased earthquake insurance is that we cannot easily find information about the reliability and quality of insurers. There are so many options and policy types, and it's hard to know what we SHOULD get vs. what the insurers recommend we get, and the price ranges are so great that we suspect that less expensive insurers may find ways to avoid paying should an earthquake occur.	3/30/2016 2:09 PM

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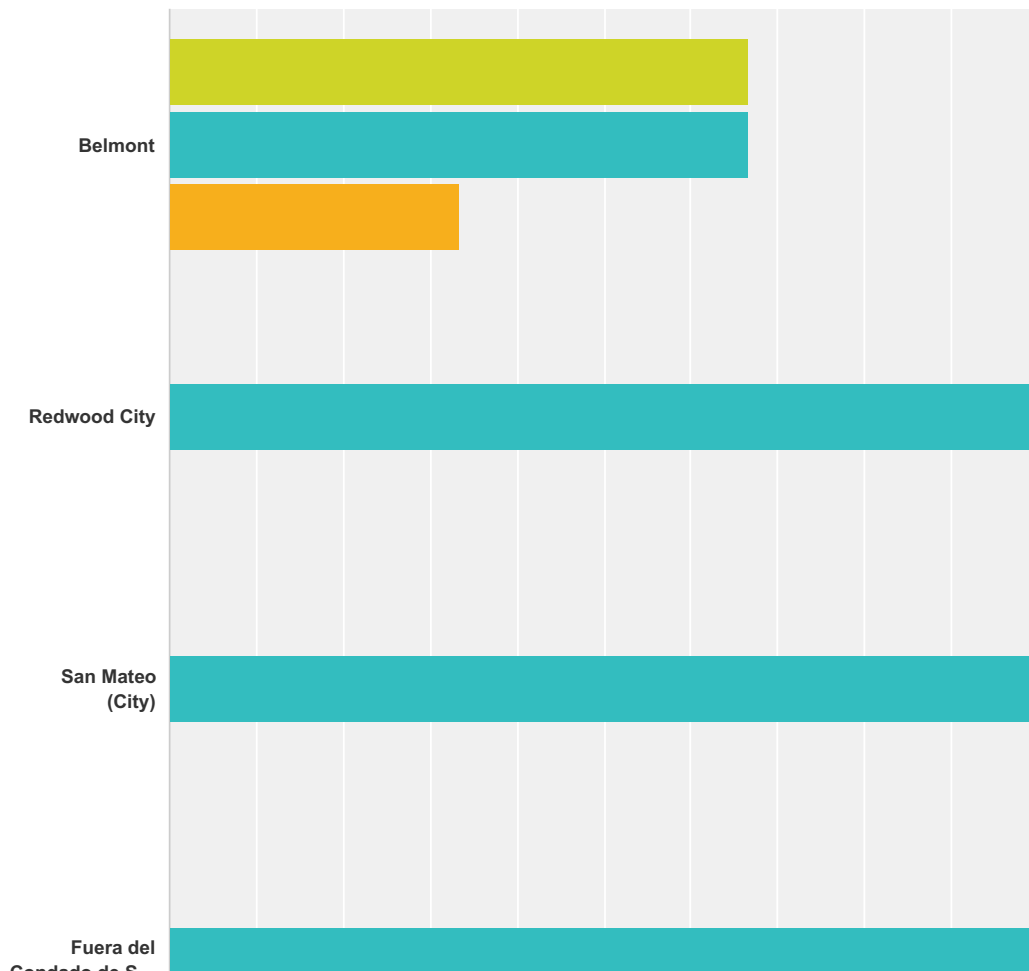
81	I feel property insurance should actually insure peoples homes for everything... including floods, earthquakes and all other damages.. In a grand plan.. possibly the government can force insurance companies to cover all of these things (like obama care did for healthcare) and possibly subsidize it so everyone can afford it. It would be better, maybe even cheaper, than trying to clean up and support all those who were left without insurance and other resources after a disaster hits. Right now.... it seems.. only the rich and very well insured are protected.. but the poorest (old middle class) ones who need it most, wind up loosing everything. That is my biggest fear. I just feel there is a better way and would like to see our government help its citizens first, instead of the insurance companies bottom line. Personally.. I have had only 3 claims in 30 years.. all denied. But we all have to keep paying them and they seem to be providing us less and less every year. Sorry.. thats just how I see it!	3/30/2016 2:08 PM
82	It would be great to know where to go for aid if an emergency lasts more than three days. go to the fire station, police station, nearest school, etc. for water?	3/30/2016 2:07 PM
83	Could the County work with Berkeley and other universities developing early warning systems, for example to provide apps to residents that permit their cell phones to collect earthquake data? I'd love to see that kind of crowd-sourcing spearheaded here. Thanks.	3/30/2016 2:01 PM
84	SMC Large Animal Evac Group	3/30/2016 1:59 PM
85	Family disaster plans never have made sense to me. In a wild fire where would we evacuate to? Would totally depend on the fire. In an earthquake, would the local school really be safer? Should i assume we can drive or should it be place we can walk to?	3/30/2016 1:54 PM
86	We love Pacifica and are glad we moved here. We are concerned with the general infrastructure of the community. There needs to be upgrades to ensure property and lives are protected. It is extremely dangerous for the city workers and myself when we have to unclog the drain pipes from the ocean during a storm. I'm surprised no one was injured or even killed as the ocean is pretty unforgiving.	3/30/2016 1:52 PM
87	We need a law that allows Licensed Amateur Radio operators to erect antennas on their property even if antennas are prohibited by HOA.	3/30/2016 1:52 PM
88	This is nuts.... People are way to cautious, live a little! Look where we live.... Really!?	3/30/2016 1:50 PM
89	The county needs to step up and not demand permit fees for seismic upgrades. Also the water systems need to be continually reinforced.	3/30/2016 1:49 PM
90	I lived in Woodside on and off since 1984. Starting in 2000 I lived in a cottage and then after the owner had a stroke in 2008, I proactively helped reduce risk on the property. It turned out there was a dangerous 40+ year old furnace that broke down, a 35 year old water heater that caught fire, huge tree fell and could have killed someone, if they had been on the road, 3/4 of grout in fireplace had fallen off so the chimney was fixed, installed a swimming pool fence to meet code, bought 10 fire extinguishers for the 3 structures, repaired rotten roofs and walls to stabilize the structures, etc. So the elderly, really need extra help. One issue is they are "cheap" and don't want to spend money and the second issue they have no idea what to do, if they wanted to fix it. This really does set up a dangerous situation for neighbors and the town. In the end, really serious issues like foundation and extensive termite damage, as simply too expensive to fix. Now the property is sold and will be torn down, so I assume these issues will be properly taken care of. But this example, illustrates the serious problem with the elderly and hazards.	3/30/2016 1:48 PM
91	Our citizens should be protected from flooding and levy failure.	3/30/2016 1:44 PM
92	Our main hazard is FEMA. We already have protection from a 100 year flood. Their change in mapping will require homeowners and local governments to spend more money. Not sure it is necessary. If money needs to be spent to protect infrastructure be sure it is funded by bonds issued by respective government, not assessment districts that put the risk and burden totally on rate payers. Spread the payments over the most payees, not just parcels, and for the longest period possible (40 years?)	3/30/2016 1:44 PM
93	Please assist those closest to ocean to find new homes	3/30/2016 1:44 PM
94	City is building a new library in the Tsunami Inundation Zone, also shows on Arcadis Asset Vulnerability Maps, State GIS Maps and State Littoral Cell Maps as being in an are likely to be flooded.	3/30/2016 1:42 PM
95	My house consistently floods every year during heavy rains and the city is always slow to respond/does nothing to prevent. During the last storm the lower level of my house took on a foot of water, and it took over half an hour for the drains to be cleared enough for the water to go down	3/30/2016 1:32 PM
96	Our power has gone out multiple times during storms - twice in Moss Beach and once in Pacifica. Having more information on and access to home power solutions through the county would be good.	3/30/2016 1:31 PM
97	Woodside Fire Protection District and CERPP have been proactive and very helpful in disseminating community information and training. Important to continue this. Infrastructure maintenance and improvement essential. Improvement of communication security (cell towers, phone and power lines, internet access) essential.	3/27/2016 4:25 PM

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98	I work for San Mateo County Supervisor Pine. I am his policy analyst for all things water: flooding, sea level rise, drought, etc.	3/25/2016 1:51 PM
99	Creekbank restoration	3/19/2016 10:18 PM
100	Programs for seniors who may have limited physical/mobility abilities.	3/19/2016 10:55 AM
101	Climate change is an important issue to address so that we can have future generations. We need to also invest on the infrastructure in our communities as preventative methods for our health and well-being.	3/18/2016 5:28 PM
102	The are many underground Utility boxes on South San Francisco streets and a lot of them are damaged....a serious accident waiting to happen when someone isn't paying attention to the surroundings when walking on the sidewalk. Also, a growing hazard exists on Gellert Blvd. by Rowntree Way. People walking down Rowntree Way will turn right when they reach Gellert Blvd. to start heading down the hill. The vegetation coming out of the property at the corner of Rowntree and Gellert has grown so much that it now is about 85% over the Gellert Blvd. sidewalk. You'd have to walk off the street instead of on the sidewalk to go down the hill.	3/17/2016 2:07 PM
103	I am an CTO of a project (QuakeFinder) doing electromagnetic research , in which we have 125 instruments in California (3 in San Mateo County) collecting data for 10 years. The objective is to detect a series of magnetic and air ionization patterns that may provide 1-14 days of warning for earthquake >M5. This is still in a reseach phase but it is starting to show promise. Tom Bleier 650 270-6389	3/15/2016 1:07 PM
104	Public education is essential and tremendously helpful. Knowing what risks are and how to prepare for or mitigate threats helps us to reduce both risk and cost.	3/11/2016 12:55 PM
105	Where I need to go to find out the specific hazards that affect my home and property. The information out there is to general and not specific to my needs.	3/10/2016 8:08 PM

Q22 ¿Dónde vive, trabaja y / o ir a la escuela? Seleccione todas las que apliquen

Answered: 4 Skipped: 1,083



San Mateo County, CA Hazard Mitigation Public Questionnaire

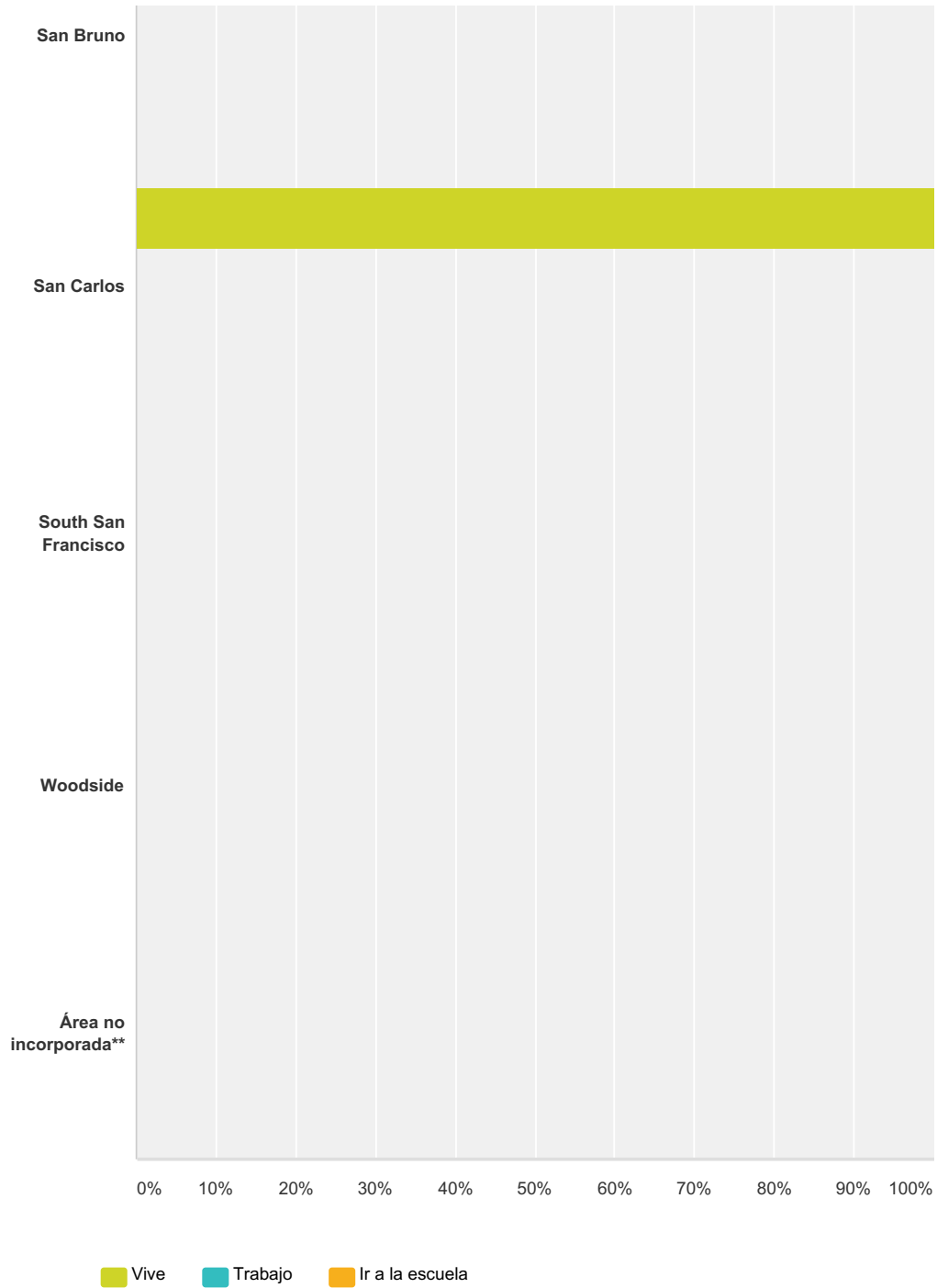
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[Orange Bar]									
Atherton									
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Daly City									
East Palo Alto									

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Foster City									
Half Moon Bay									
Hillsborough									
Menlo Park									
Millbrae									
Pacifica									
Portola Valley									

San Mateo County, CA Hazard Mitigation Public Questionnaire



	Vive	Trabajo	Ir a la escuela	Total Respondents
Belmont	66.67% 2	66.67% 2	33.33% 1	3
Redwood City	0.00% 0	100.00% 2	0.00% 0	2
San Mateo (City)	0.00% 0	100.00% 1	0.00% 0	1
Fuera del Condado de San Mateo	0.00% 0	100.00% 1	100.00% 1	1

San Mateo County, CA Hazard Mitigation Public Questionnaire

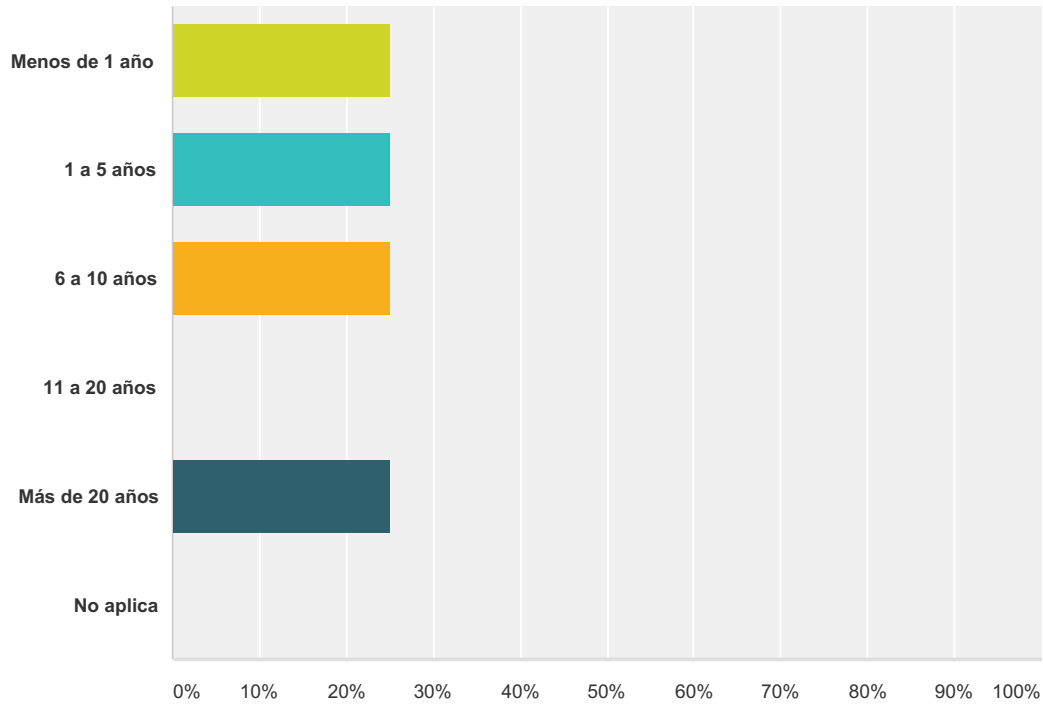
Atherton	0.00%	0.00%	0.00%	0
Brisbane	0.00%	0.00%	0.00%	0
Burlingame	0.00%	0.00%	0.00%	0
Colma	0.00%	0.00%	0.00%	0
Daly City	0.00%	0.00%	0.00%	0
East Palo Alto	0.00%	0.00%	0.00%	0
Foster City	0.00%	0.00%	0.00%	0
Half Moon Bay	0.00%	0.00%	0.00%	0
Hillsborough	0.00%	0.00%	0.00%	0
Menlo Park	0.00%	0.00%	0.00%	0
Millbrae	0.00%	0.00%	0.00%	0
Pacifica	0.00%	0.00%	0.00%	0
Portola Valley	0.00%	0.00%	0.00%	0
San Bruno	0.00%	0.00%	0.00%	0
San Carlos	100.00%	0.00%	0.00%	1
South San Francisco	0.00%	0.00%	0.00%	0
Woodside	0.00%	0.00%	0.00%	0
Área no incorporada**	0.00%	0.00%	0.00%	0

#	**Si su respuesta es " área no incorporada, " por favor especificar dónde (por ejemplo, La Honda - trabajo, North Fair Oaks - en vivo, etc.)	Date
	There are no responses.	

Q23 ¿Cuánto tiempo ha vivido, trabajado, o se han ido a la escuela en el Condado de San Mateo ?

Answered: 4 Skipped: 1,083

San Mateo County, CA Hazard Mitigation Public Questionnaire

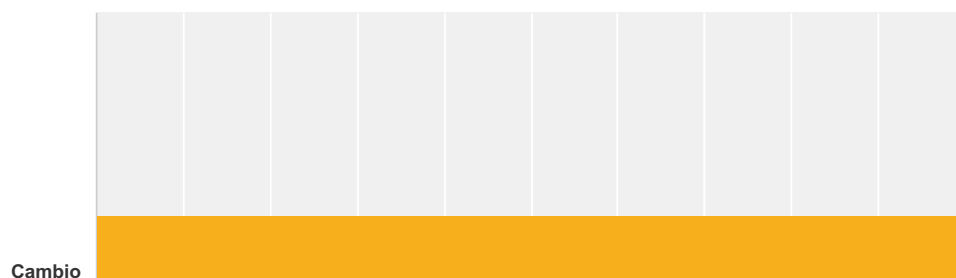


Answer Choices	Responses
Menos de 1 año	25.00% 1
1 a 5 años	25.00% 1
6 a 10 años	25.00% 1
11 a 20 años	0.00% 0
Más de 20 años	25.00% 1
No aplica	0.00% 0
Total	4

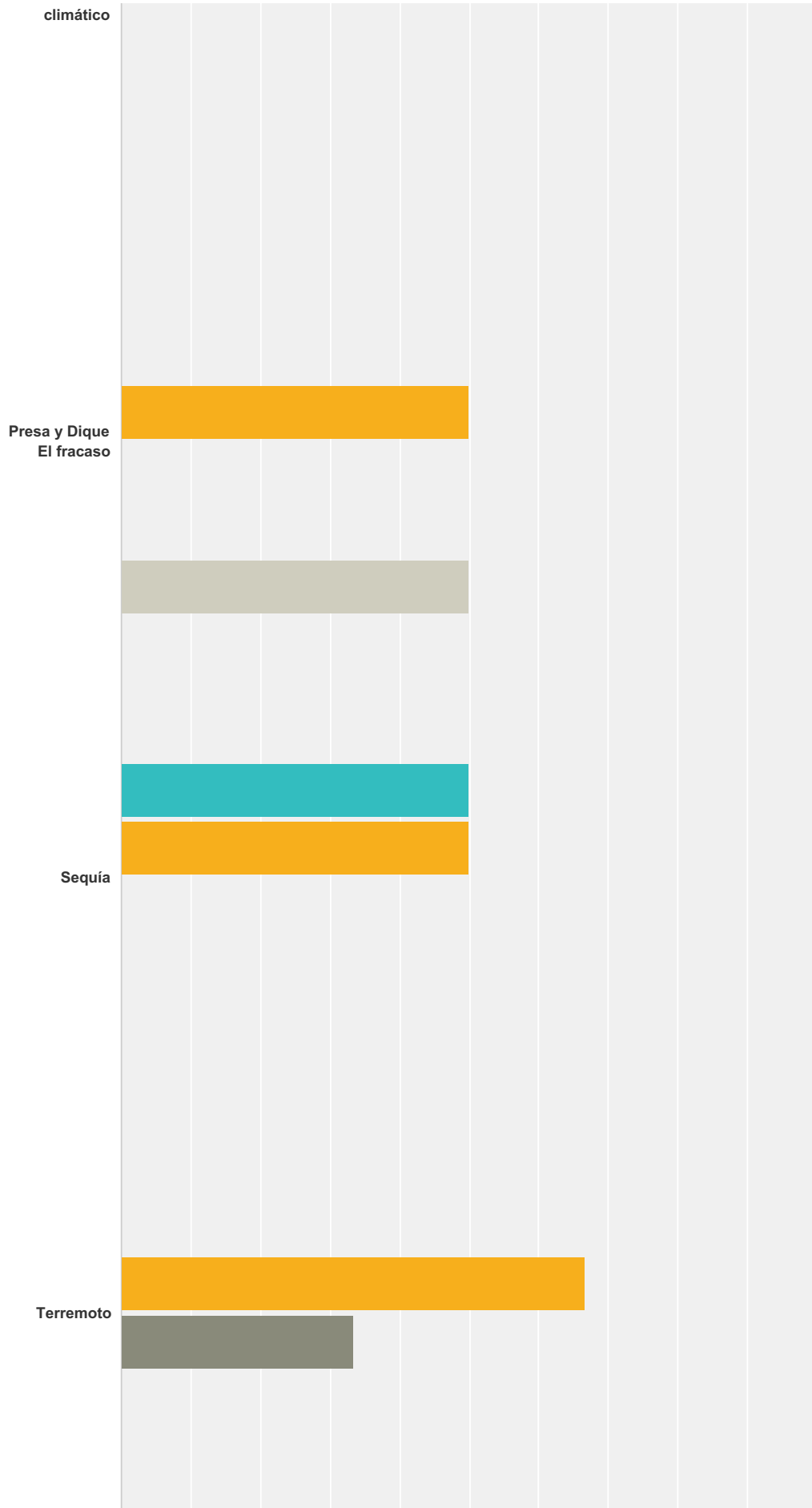
#	Comentarios	Date
	There are no responses.	

Q24 ¿Cuánto le preocupa sobre el potencial de los siguientes peligros ' para impactar usted, vecinos, colegas, y la propiedad en el Condado de San Mateo?

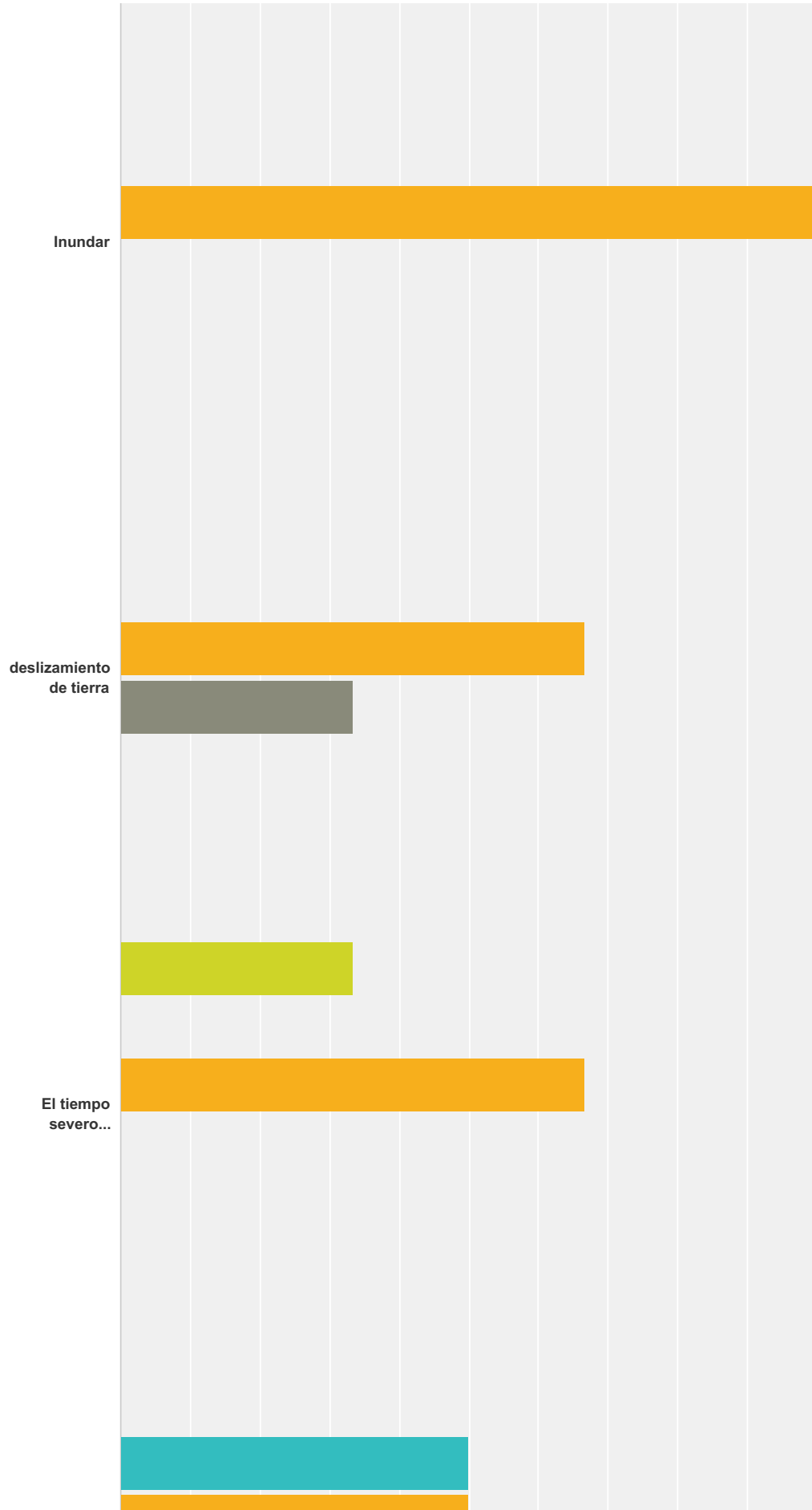
Answered: 3 Skipped: 1,084



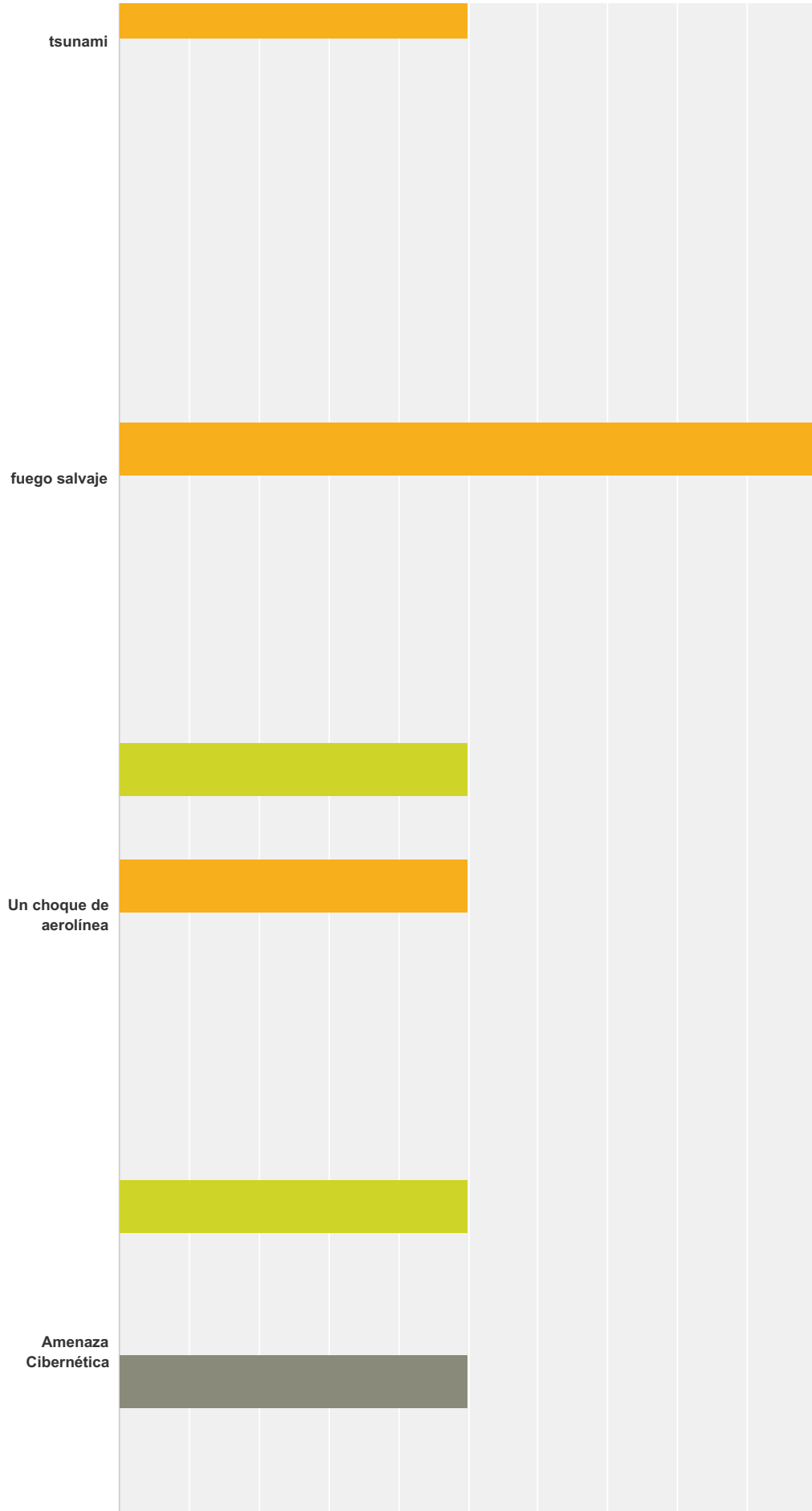
San Mateo County, CA Hazard Mitigation Public Questionnaire



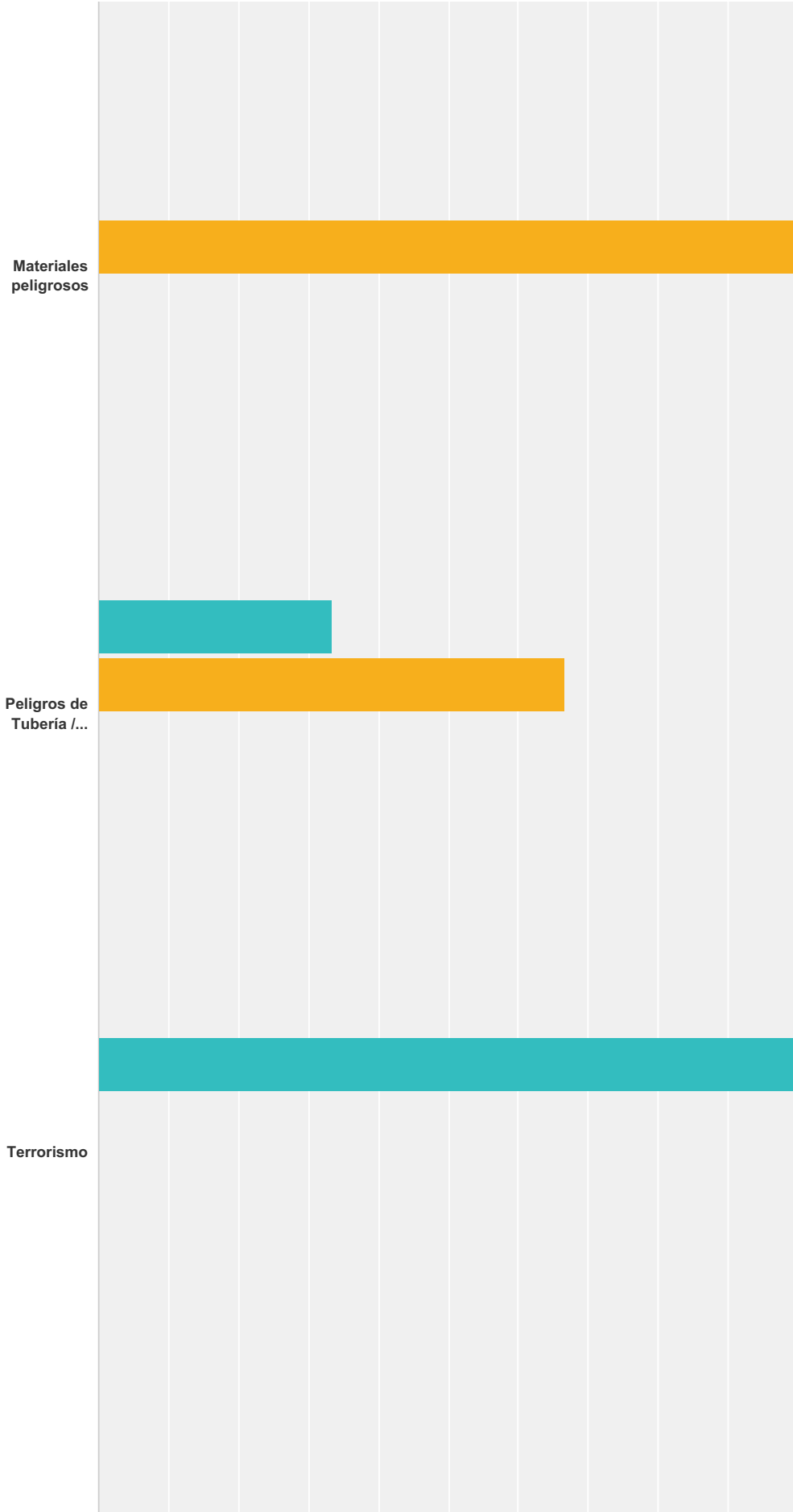
San Mateo County, CA Hazard Mitigation Public Questionnaire



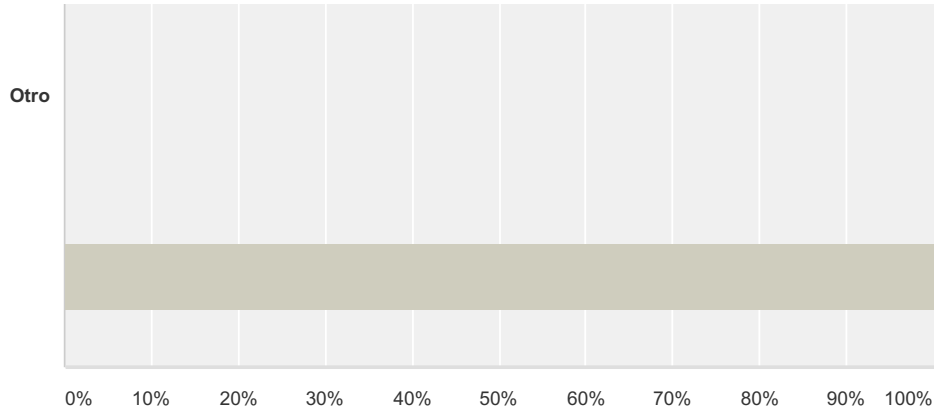
San Mateo County, CA Hazard Mitigation Public Questionnaire



San Mateo County, CA Hazard Mitigation Public Questionnaire



San Mateo County, CA Hazard Mitigation Public Questionnaire



■ no concierne
 ■ un poco preocupado
 ■ Preocupado
 ■ Muy Preocupado
■ extremadamente preocupados
 ■ No estoy seguro

	no concierne	un poco preocupado	Preocupado	Muy Preocupado	extremadamente preocupados	No estoy seguro	Total
Cambio climático	0.00% 0	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	2
Presa y Dique El fracaso	0.00% 0	0.00% 0	50.00% 1	0.00% 0	0.00% 0	50.00% 1	2
Sequía	0.00% 0	50.00% 1	50.00% 1	0.00% 0	0.00% 0	0.00% 0	2
Terremoto	0.00% 0	0.00% 0	66.67% 2	33.33% 1	0.00% 0	0.00% 0	3
Inundar	0.00% 0	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	2
deslizamiento de tierra	0.00% 0	0.00% 0	66.67% 2	33.33% 1	0.00% 0	0.00% 0	3
El tiempo severo (tormentas , granizo , tormentas de viento , relámpagos , tormentas de invierno , olas de calor , tornados)	33.33% 1	0.00% 0	66.67% 2	0.00% 0	0.00% 0	0.00% 0	3
tsunami	0.00% 0	50.00% 1	50.00% 1	0.00% 0	0.00% 0	0.00% 0	2
fuego salvaje	0.00% 0	0.00% 0	100.00% 3	0.00% 0	0.00% 0	0.00% 0	3
Un choque de aerolínea	50.00% 1	0.00% 0	50.00% 1	0.00% 0	0.00% 0	0.00% 0	2
Amenaza Cibernética	50.00% 1	0.00% 0	0.00% 0	50.00% 1	0.00% 0	0.00% 0	2
Materiales peligrosos	0.00% 0	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	2
Peligros de Tubería / Tanque	0.00% 0	33.33% 1	66.67% 2	0.00% 0	0.00% 0	0.00% 0	3
Terrorismo	0.00% 0	100.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	3
Otro	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	100.00% 1	1

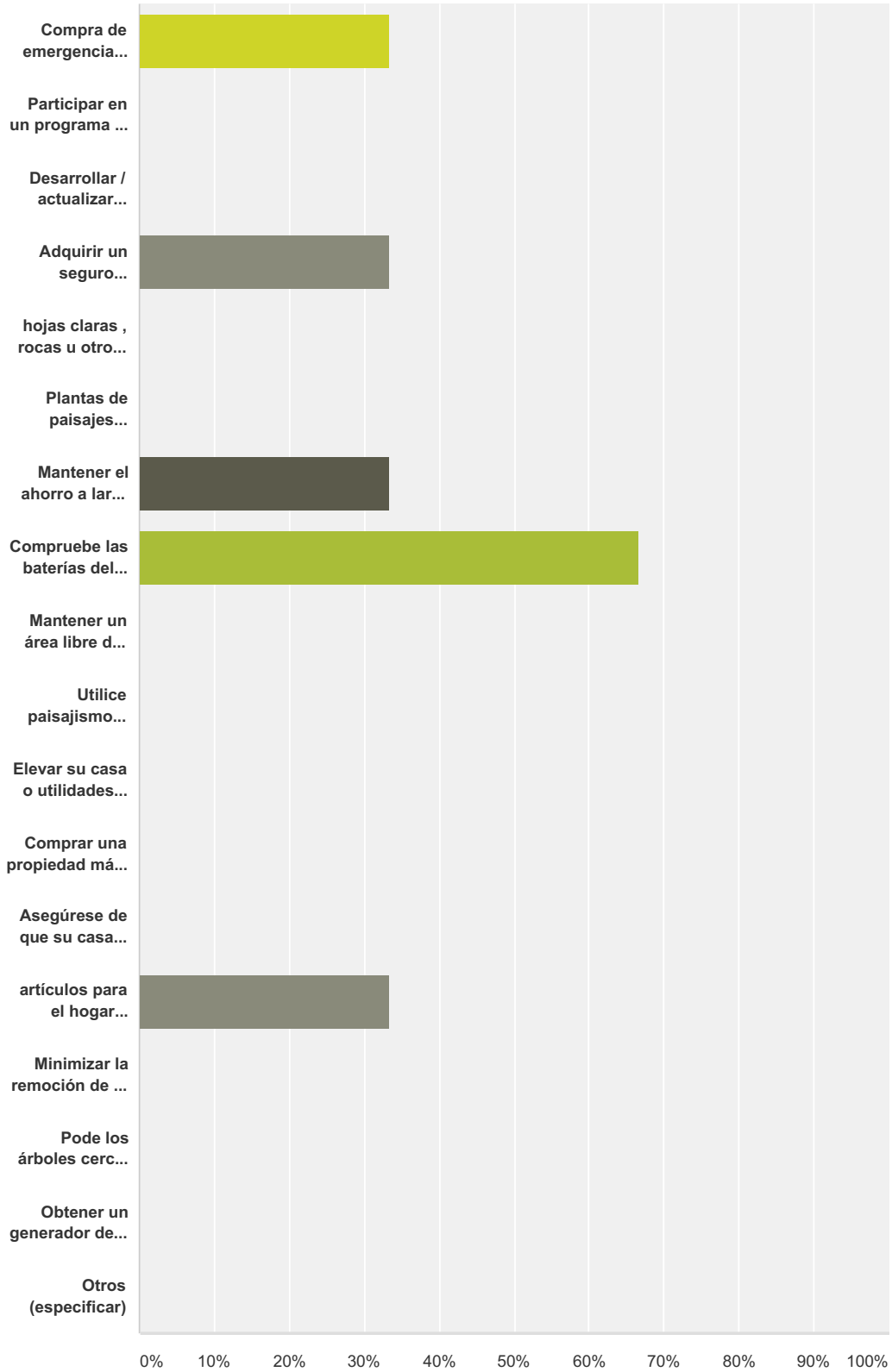
San Mateo County, CA Hazard Mitigation Public Questionnaire

#	Por favor especifique otra situación de peligro	Date
1	Violencia a través de pistolas y armas automáticas	3/30/2016 2:46 PM

Q25 ¿Cuál de las siguientes medidas ha tomado o miembros de la familia para prepararse para un desastre ? Seleccione todas las que correspondan.

Answered: 3 Skipped: 1,084

San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses
Compra de emergencia raciones de comida / suministros	33.33% 1

San Mateo County, CA Hazard Mitigation Public Questionnaire

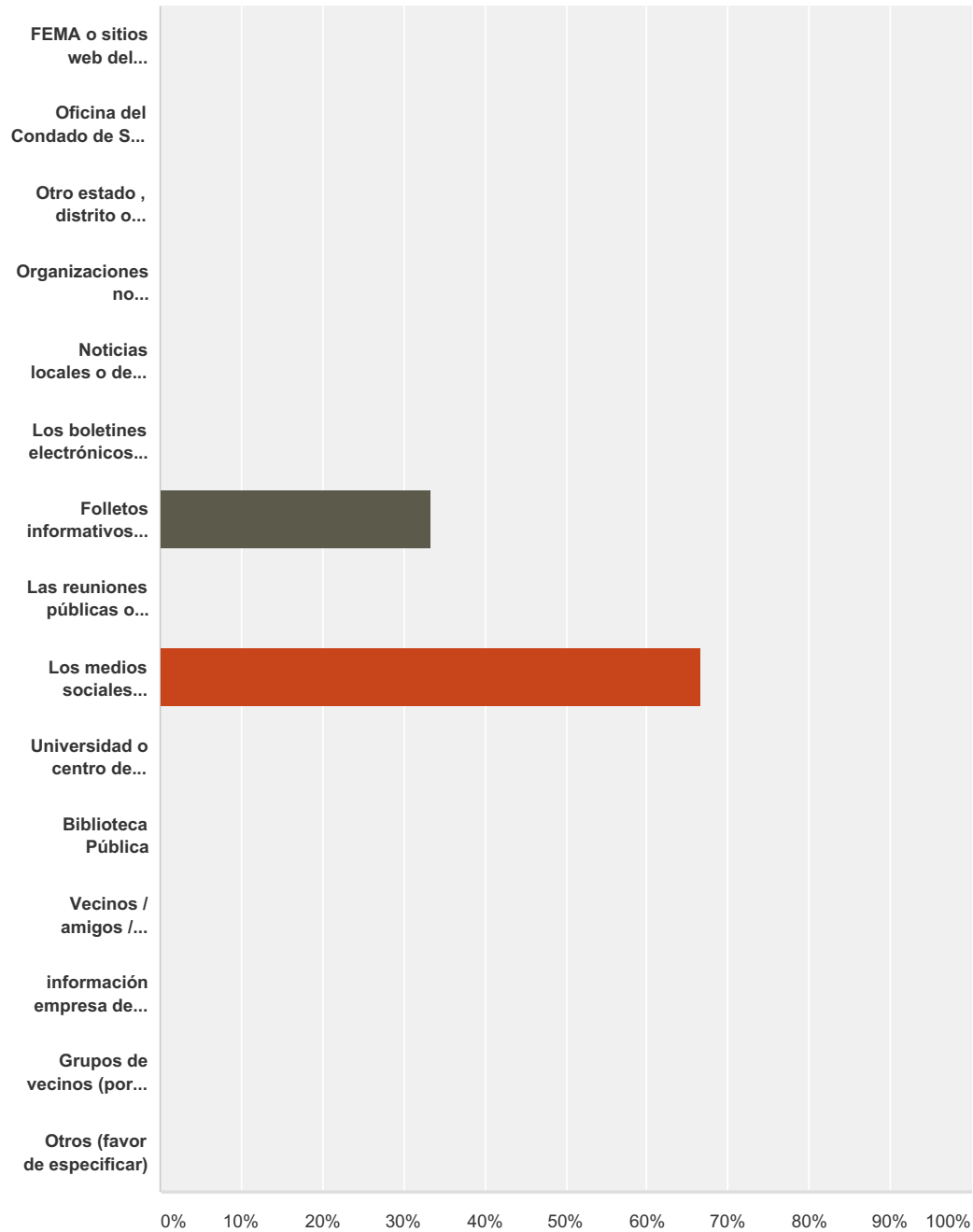
Participar en un programa de seguridad contra desastres / entrenamiento (por ejemplo, la comunidad del Equipo de Respuesta a Emergencias [CERT] , Cruz Roja Americana)	0.00%	0
Desarrollar / actualizar periódicamente su plan de emergencia familiar	0.00%	0
Adquirir un seguro suplementario (por inundaciones, terremotos o incendios forestales)	33.33%	1
hojas claras , rocas u otros desechos fuera de los desagües pluviales	0.00%	0
Plantas de paisajes resistentes a la sequía	0.00%	0
Mantener el ahorro a largo plazo para las emergencias y los desastres	33.33%	1
Compruebe las baterías del detector de humo una vez al mes y cambie las baterías una vez al año	66.67%	2
Mantener un área libre de vegetación y materiales combustibles alrededor de su casa	0.00%	0
Utilice paisajismo resistentes al fuego (plantas que no se incendian fácilmente)	0.00%	0
Elevar su casa o utilidades por encima de la llanura de inundación	0.00%	0
Comprar una propiedad más resistentes a los peligros (por ejemplo, la compra de una casa elevada o verifiquen la integridad estructural antes de la compra)	0.00%	0
Asegúrese de que su casa está atornillado a su fundación	0.00%	0
artículos para el hogar seguros, tales como estantes para libros, que pueden causar lesiones durante un terremoto	33.33%	1
Minimizar la remoción de la vegetación cerca de fuertes pendientes o cuestas empinadas estabilizados en la propiedad	0.00%	0
Pode los árboles cerca de la casa y / o líneas eléctricas	0.00%	0
Obtener un generador de emergencia	0.00%	0
Otros (especificar)	0.00%	0
Total Respondents: 3		

#	Otros (especificar)	Date
	There are no responses.	

Q26 ¿Dónde has encontrado información útil en la preparación, respuesta y reducir el riesgo de desastres? Seleccione todas las que correspondan

Answered: 3 Skipped: 1,084

San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses
FEMA o sitios web del gobierno federal	0.00% 0
Oficina del Condado de San Mateo de Servicios de Emergencia (SMOES) del sitio web , blog, y cuentas de redes sociales	0.00% 0
Otro estado , distrito o sitio web de gobierno local	0.00% 0
Organizaciones no gubernamentales (Cruz Roja u otras organizaciones de voluntarios, instituciones basadas en la fe , etc.)	0.00% 0
Noticias locales o de otros medios de comunicación (radio, TV , prensa)	0.00% 0
Los boletines electrónicos de FEMA , SMOES , Condado de San Mateo , local de la ciudad , u otras organizaciones de preparación	0.00% 0
Folletos informativos u otros materiales impresos	33.33% 1
Las reuniones públicas o eventos de la comunidad sobre temas de preparación para desastres	0.00% 0

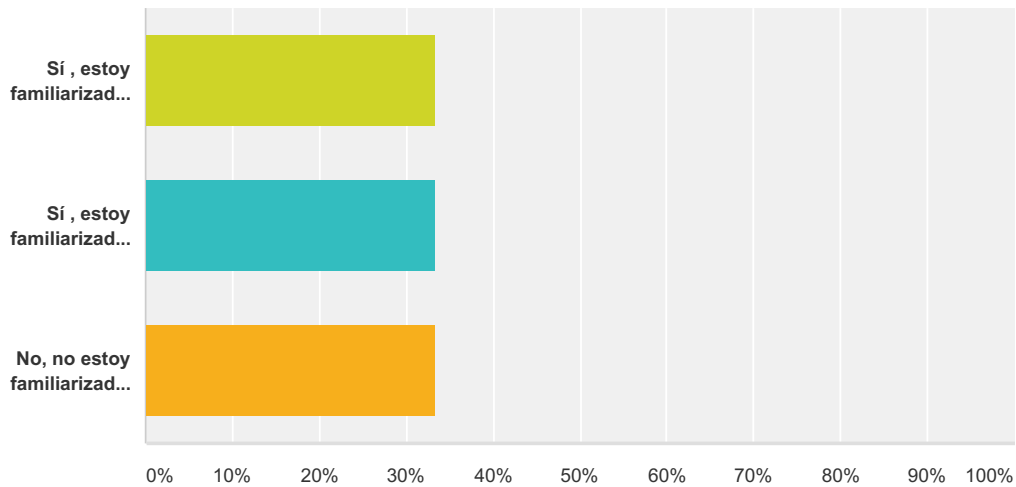
San Mateo County, CA Hazard Mitigation Public Questionnaire

Los medios sociales (Facebook, Twitter , YouTube , Pinterest , al lado, etc.)	66.67%	2
Universidad o centro de investigación	0.00%	0
Biblioteca Pública	0.00%	0
Vecinos / amigos / familiares	0.00%	0
información empresa de servicios públicos	0.00%	0
Grupos de vecinos (por ejemplo CERT , MRC , etc.)	0.00%	0
Otros (favor de especificar)	0.00%	0
Total Respondents: 3		

#	Otros (favor de especificar)	Date
	There are no responses.	

Q27 ¿Está usted familiarizado con el sistema de alerta del Condado SMCAAlert o el Sistema de Alerta de Distrito del Colegio AlertU Comunidad ?Para obtener más información sobre SMCAAlert o para inscribirse , por favor visite SMCAAlert.info .Para obtener más información sobre AlertU o para inscribirse , por favor visite smccd.edu/alertu/ .

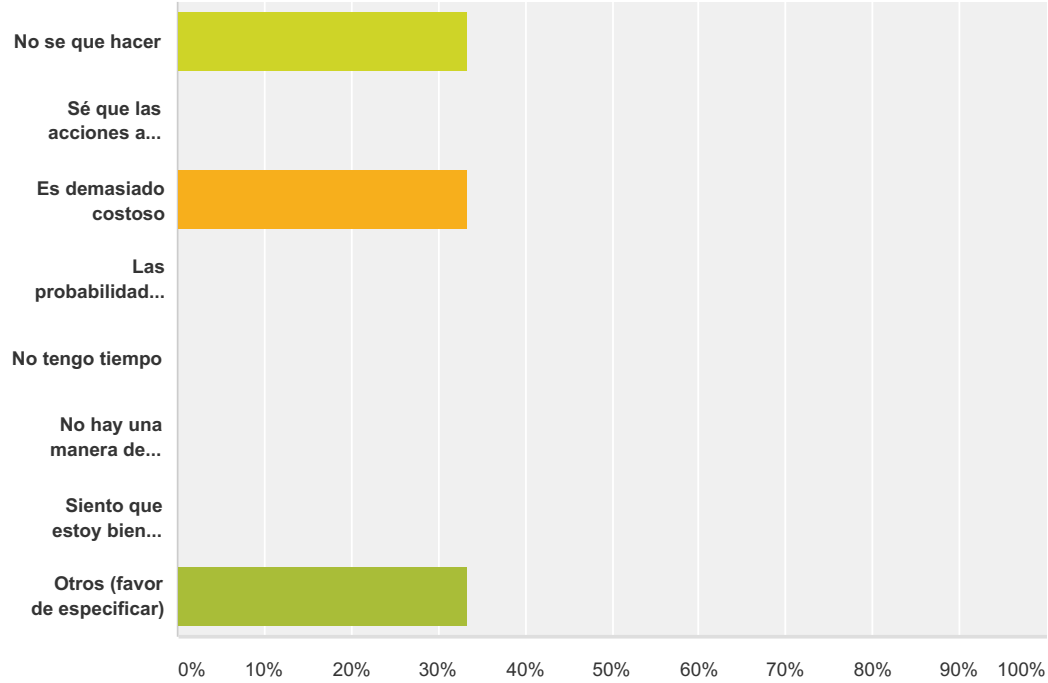
Answered: 3 Skipped: 1,084



Answer Choices	Responses
Sí , estoy familiarizado con el sistema (s) y estoy registrado para recibir notificaciones de emergencia	33.33% 1
Sí , estoy familiarizado con el sistema (s) , pero no estoy inscrito para recibir notificaciones de emergencia .	33.33% 1
No, no estoy familiarizado con el sistema (s) y no han sido registrados para recibir notificaciones de emergencia .	33.33% 1
Total	3

Q28 ¿Cuál es la principal razón para no tomar acciones para reducir el riesgo y la vulnerabilidad a los desastres ?

Answered: 3 Skipped: 1,084



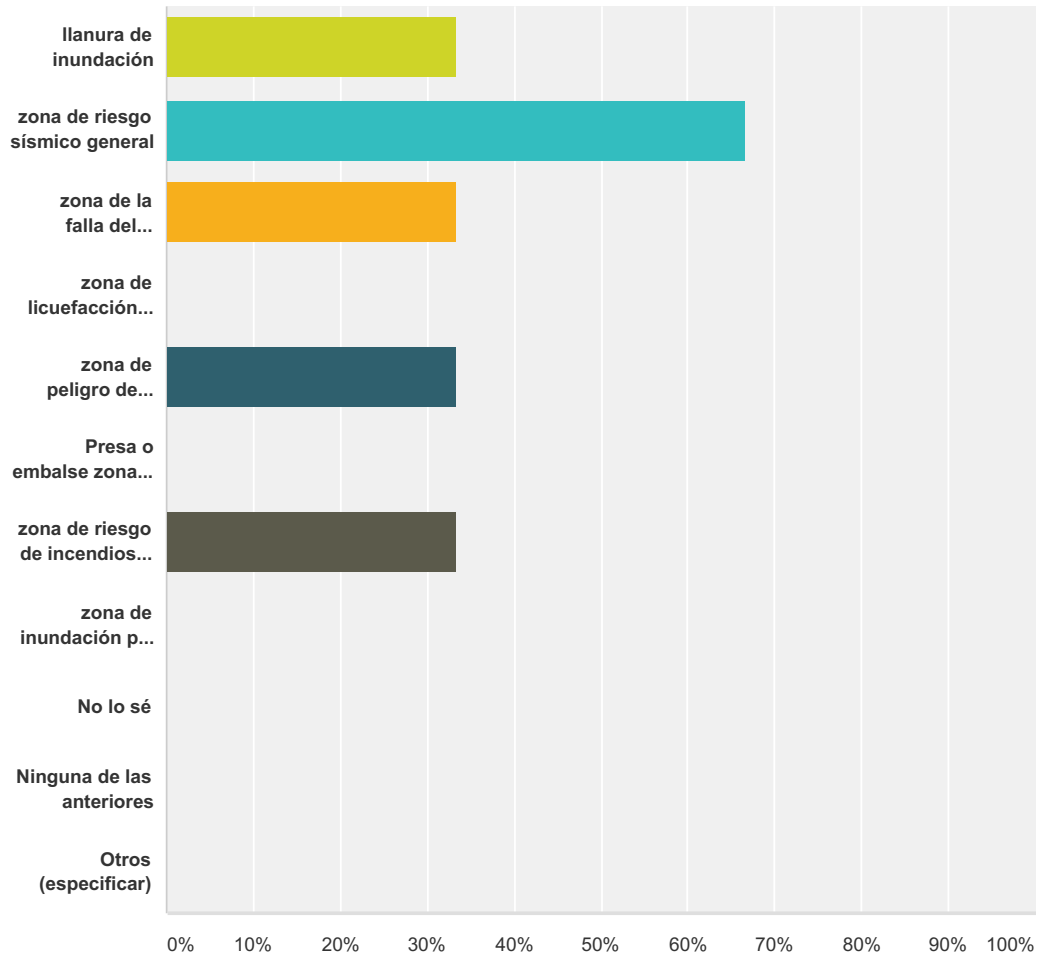
Answer Choices	Responses
No se que hacer	33.33% 1
Sé que las acciones a tomar , pero no sé cómo hacerlo (conocimientos técnicos)	0.00% 0
Es demasiado costoso	33.33% 1
Las probabilidades de ser afectados son demasiado bajos como para justificar el costo o molestia	0.00% 0
No tengo tiempo	0.00% 0
No hay una manera de detener el peligro o el daño de todos modos	0.00% 0
Siento que estoy bien preparado	0.00% 0
Otros (favor de especificar)	33.33% 1
Total	3

#	Otros (favor de especificar)	Date
1	Vivo en un apartamento y tengo poco control sobre la administración o regulación	3/30/2016 2:46 PM

Q29 ¿Es su casa / trabajo / escuela ubicada en cualquiera de las siguientes áreas de peligro ? Seleccione todas las que correspondan

San Mateo County, CA Hazard Mitigation Public Questionnaire

Answered: 3 Skipped: 1,084



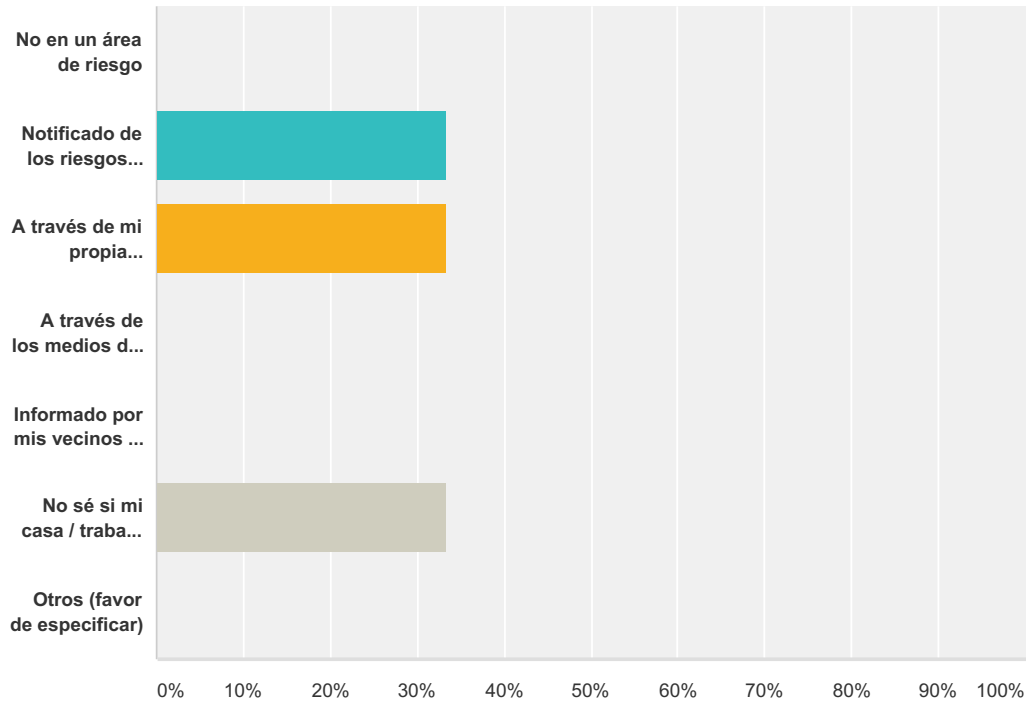
Answer Choices	Responses
llanura de inundación	33.33% 1
zona de riesgo sísmico general	66.67% 2
zona de la falla del terremoto	33.33% 1
zona de licuefacción (área con suelos licuables)	0.00% 0
zona de peligro de deslizamiento	33.33% 1
Presa o embalse zona de inundación	0.00% 0
zona de riesgo de incendios forestales	33.33% 1
zona de inundación por tsunami	0.00% 0
No lo sé	0.00% 0
Ninguna de las anteriores	0.00% 0
Otros (especificar)	0.00% 0
Total Respondents: 3	

#	Otros (especificar)	Date
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There are no responses.

Q30 ¿Cómo se sabe si es o no su casa / trabajo / escuela está situada en una zona de peligro ?

Answered: 3 Skipped: 1,084



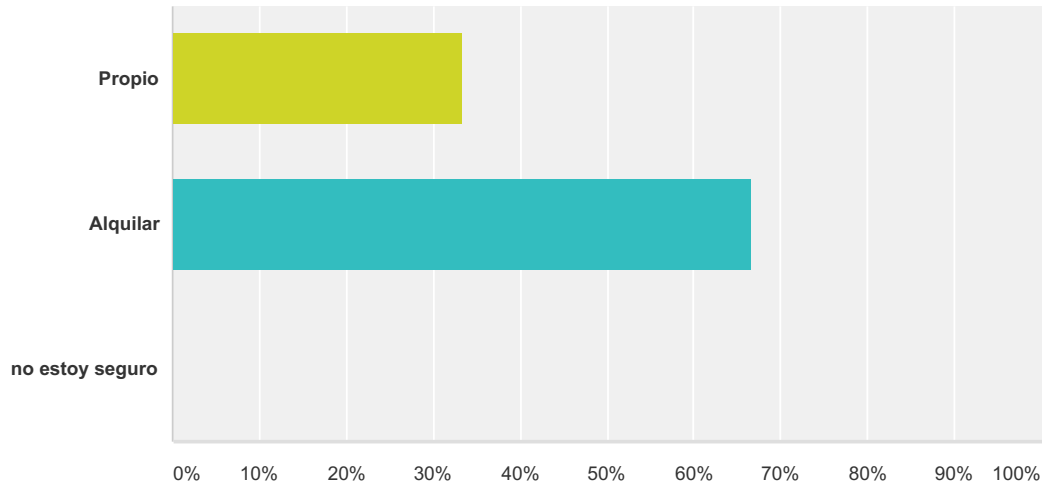
Answer Choices	Responses
No en un área de riesgo	0.00% 0
Notificado de los riesgos antes de la compra / alquiler de mi casa (por el vendedor, agente de bienes raíces , o de otro tipo)	33.33% 1
A través de mi propia investigación	33.33% 1
A través de los medios de comunicación (por ejemplo, sitios web , noticias , campaña de sensibilización pública , etc.)	0.00% 0
Informado por mis vecinos o compañeros de trabajo	0.00% 0
No sé si mi casa / trabajo / escuela está situada en una zona de riesgo	33.33% 1
Otros (favor de especificar)	0.00% 0
Total	3

#	Otros (favor de especificar)	Date
	There are no responses.	

Q31 Si usted vive en el Condado de San Mateo , haces es el propietario o alquila su casa ?

San Mateo County, CA Hazard Mitigation Public Questionnaire

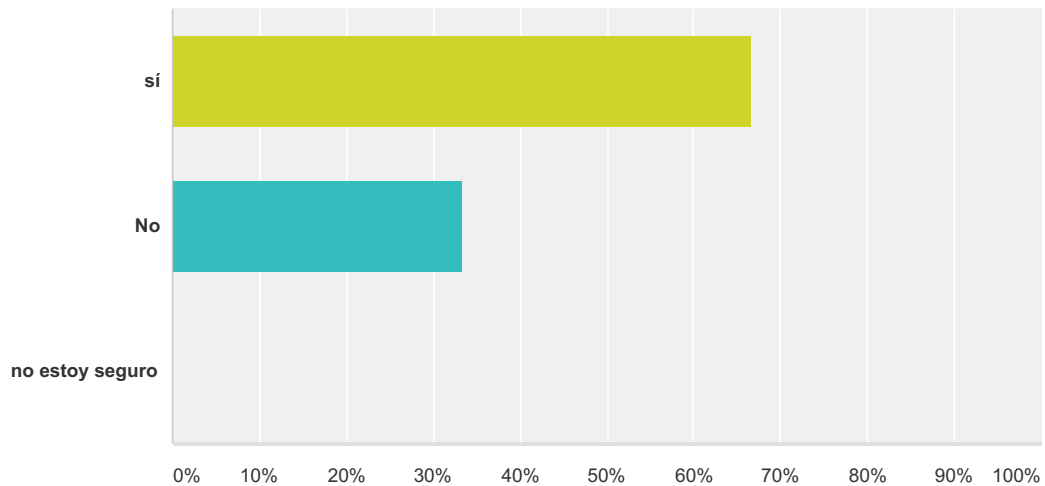
Answered: 3 Skipped: 1,084



Answer Choices	Responses	Count
Propio	33.33%	1
Alquilar	66.67%	2
no estoy seguro	0.00%	0
Total		3

Q32 Si usted vive en el Condado de San Mateo , ¿tiene seguro de inquilino o dueño de una casa de su propiedad para ?

Answered: 3 Skipped: 1,084



Answer Choices	Responses	Count
sí	66.67%	2
No	33.33%	1

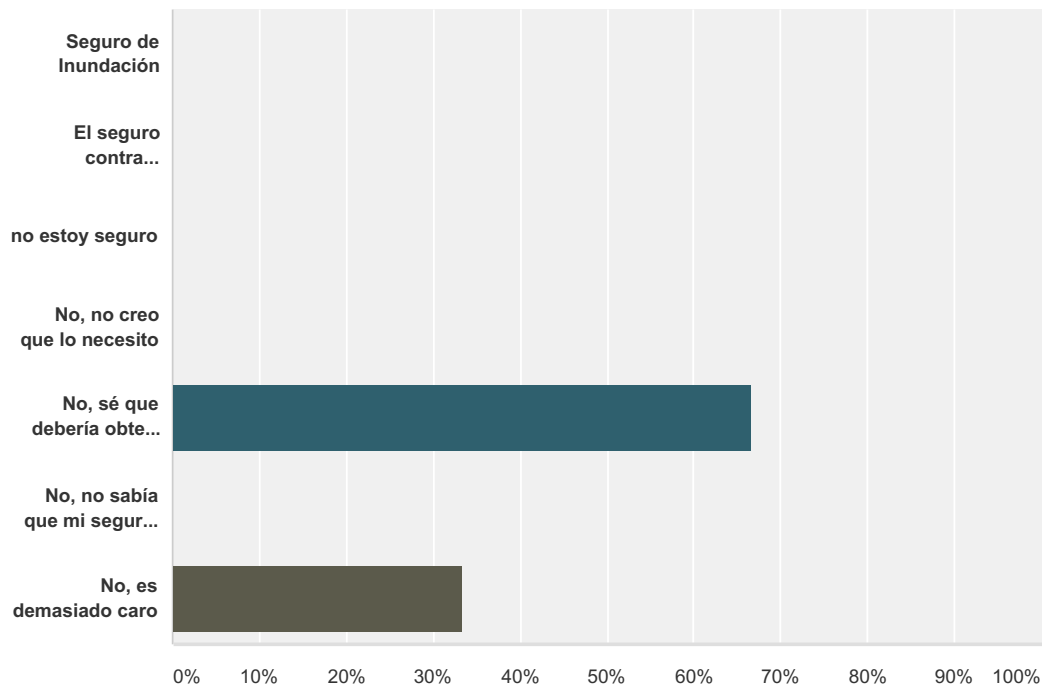
San Mateo County, CA Hazard Mitigation Public Questionnaire

no estoy seguro	0.00%	0
Total		3

#	Other (please specify)	Date
	There are no responses.	

Q33 La mayoría de las políticas de seguro de inquilino de vivienda y no cubren los daños causados por algunos peligros , tales como inundaciones o terremotos . ¿Ha comprado pólizas de seguros de especialidad para proporcionar una cobertura adicional?

Answered: 3 Skipped: 1,084

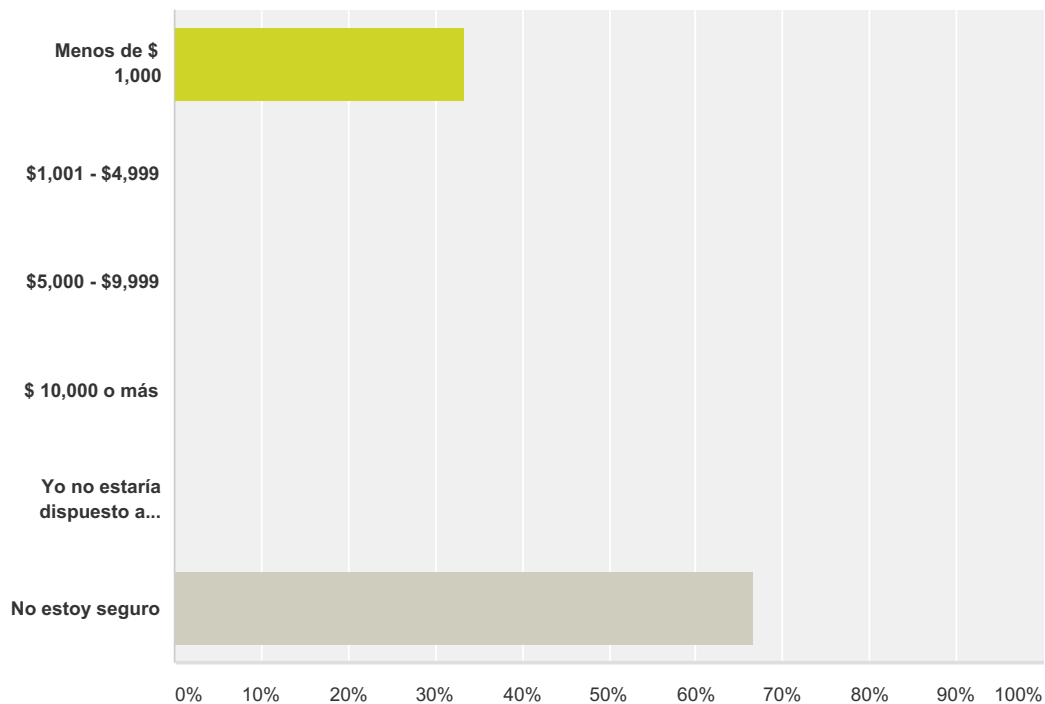


Answer Choices	Responses
Seguro de Inundación	0.00% 0
El seguro contra terremotos	0.00% 0
no estoy seguro	0.00% 0
No, no creo que lo necesito	0.00% 0
No, sé que debería obtener un seguro adicional, pero yo no lo he hecho	66.67% 2
No, no sabía que mi seguro primario podría no cubrir los daños de peligros	0.00% 0
No, es demasiado caro	33.33% 1
Total Respondents: 3	

#	comentarios	Date
	There are no responses.	

Q34 ¿ Cuánto estaría dispuesto a pagar para añadir mejoras en la seguridad de su hogar para reducir los posibles riesgos de daños por desastre ?Los ejemplos de las mejoras de seguridad incluyen, pero no se limitan a , la elevación de su casa o utilidades por encima del nivel de inundación , la realización de mejoras sísmicas , o el reemplazo de un techo combustible con techos incombustibles .

Answered: 3 Skipped: 1,084



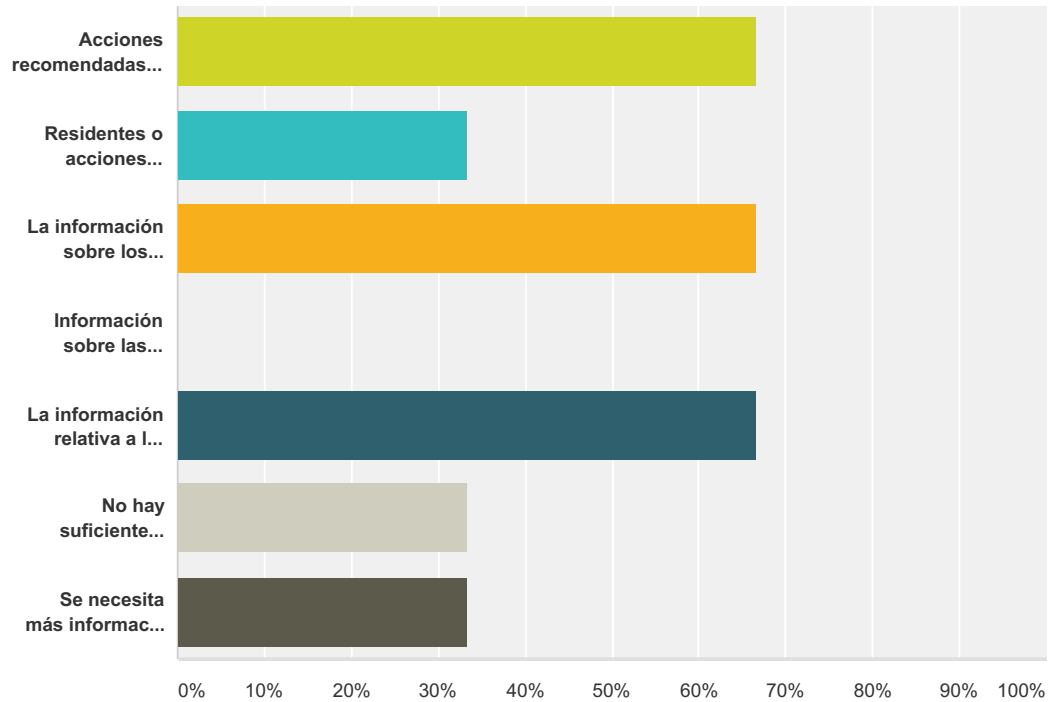
Answer Choices	Responses
Menos de \$ 1,000	33.33% 1
\$1,001 - \$4,999	0.00% 0
\$5,000 - \$9,999	0.00% 0
\$ 10,000 o más	0.00% 0
Yo no estaría dispuesto a gastar dinero	0.00% 0
No estoy seguro	66.67% 2
Total	3

San Mateo County, CA Hazard Mitigation Public Questionnaire

#	Comentarios	Date
	There are no responses.	

**Q35 ¿Cuál de los siguientes tipos de información sería más útil para usted para ayudar a reducir los riesgos de desastres ?
Seleccione todas las que correspondan**

Answered: 3 Skipped: 1,084



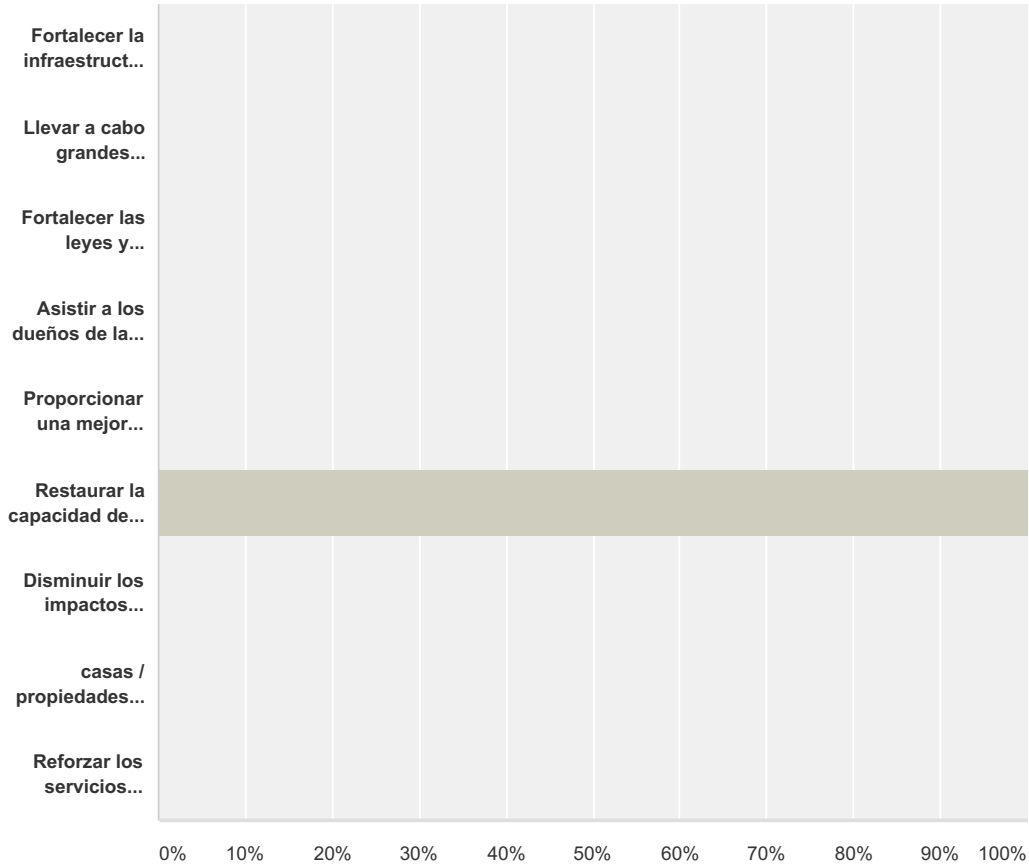
Answer Choices	Responses
Acciones recomendadas residentes pueden tomar para preparar de manera eficaz cuando se produce un desastre	66.67% 2
Residentes o acciones sostenidas a largo plazo recomendadas pueden tomar para minimizar los efectos de los riesgos en materia de propiedad	33.33% 1
La información sobre los programas de becas disponibles para adquisiciones de propiedad o actualizaciones de seguridad	66.67% 2
Información sobre las capacidades de gestión de desastres de condados y ciudades	0.00% 0
La información relativa a los riesgos que afectan a mi casa	66.67% 2
No hay suficiente información disponible para todos estos temas	33.33% 1
Se necesita más información sobre los riesgos (peligros de la lista a continuación)	33.33% 1
Total Respondents: 3	

#	Se necesita más información sobre los riesgos (peligros de la lista a continuación)	Date
1	Tsunami	3/30/2016 9:07 PM

Q36 ¿Qué tipos de proyectos o acciones deben distritos, local, estatal o federal

tomar para reducir los daños y la interrupción de los desastres en el Condado de San Mateo ? Por favor, escoja sus tres principales prioridades.

Answered: 3 Skipped: 1,084



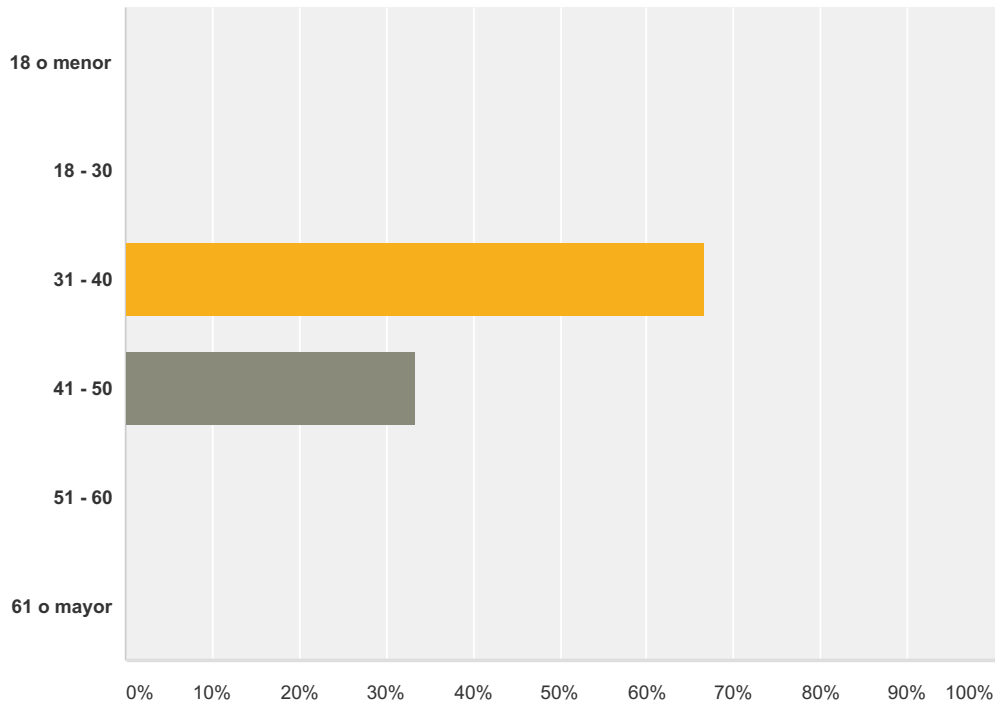
Answer Choices	Responses
Fortalecer la infraestructura , como carreteras y sistemas de suministro de agua	0.00% 0
Llevar a cabo grandes proyectos, como la construcción de presas / mejora o sistemas de drenaje	0.00% 0
Fortalecer las leyes y reglamentos de las zonas expuestas , como las llanuras de inundación	0.00% 0
Asistir a los dueños de la propiedad vulnerables financiación hallazgo para proyectos de reducción de riesgo	0.00% 0
Proporcionar una mejor información pública sobre las zonas de riesgo y vulnerables	0.00% 0
Restaurar la capacidad del medio ambiente para absorber los impactos de peligros, como la restauración de humedales y jardines de lluvia	100.00% 3
Disminuir los impactos potenciales del cambio climático	0.00% 0
casas / propiedades ubicadas en zonas de alto riesgo o que sufren de daños repetidos de adquisiciones	0.00% 0
Reforzar los servicios esenciales, tales como estaciones de policía , estaciones de bomberos y escuelas	0.00% 0
Total	3

#	Comentarios	Date
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There are no responses.

Q37 Por favor, indique su rango de edad .

Answered: 3 Skipped: 1,084

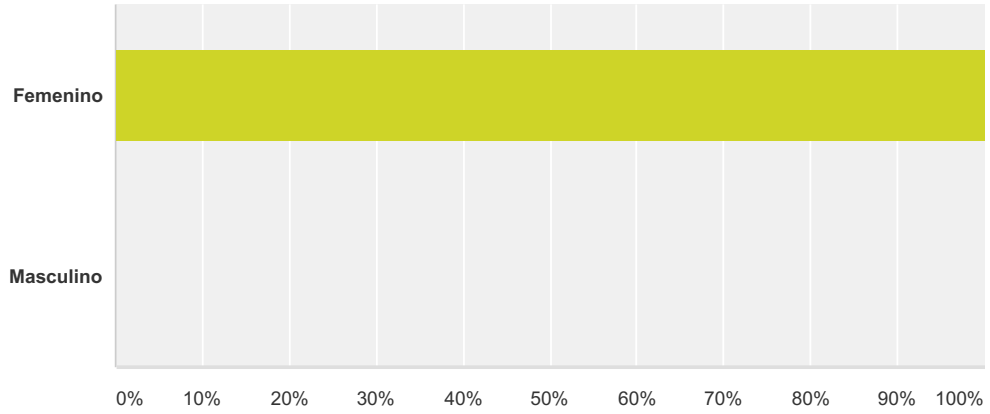


Answer Choices	Responses
18 o menor	0.00% 0
18 - 30	0.00% 0
31 - 40	66.67% 2
41 - 50	33.33% 1
51 - 60	0.00% 0
61 o mayor	0.00% 0
Total	3

Q38 Por favor, indique su género.

Answered: 3 Skipped: 1,084

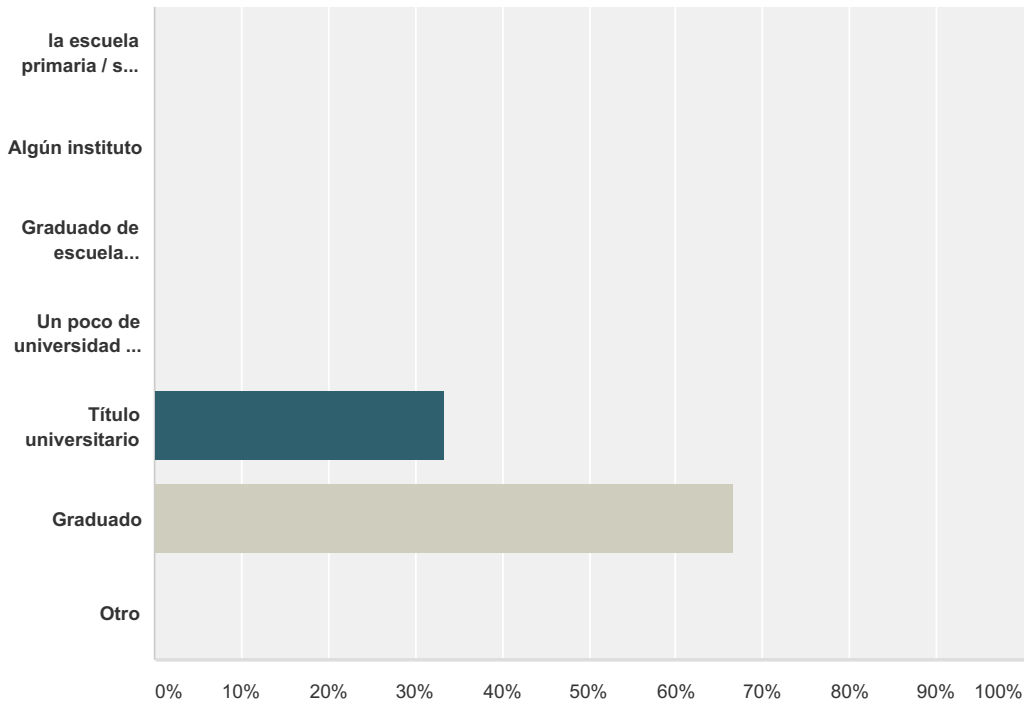
San Mateo County, CA Hazard Mitigation Public Questionnaire



Answer Choices	Responses	Count
Femenino	100.00%	3
Masculino	0.00%	0
Total		3

Q39 Por favor, indique su nivel más alto de educación.

Answered: 3 Skipped: 1,084



Answer Choices	Responses	Count
la escuela primaria / sin estudios	0.00%	0
Algún instituto	0.00%	0

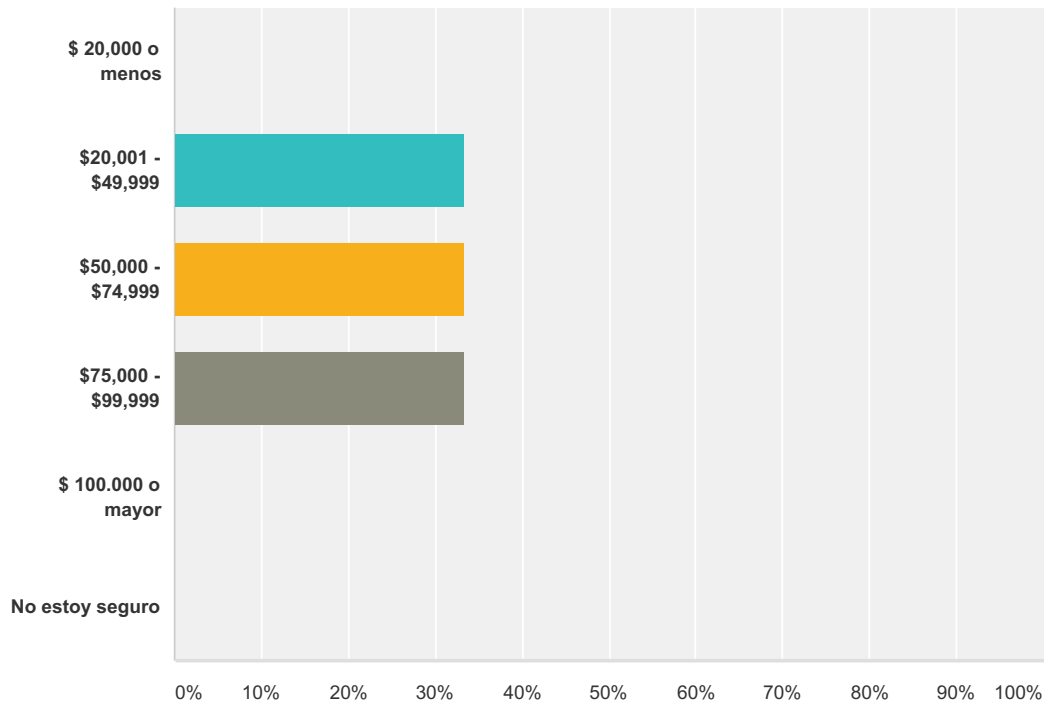
San Mateo County, CA Hazard Mitigation Public Questionnaire

Graduado de escuela secundaria / GED	0.00%	0
Un poco de universidad / el comercio	0.00%	0
Título universitario	33.33%	1
Graduado	66.67%	2
Otro	0.00%	0
Total		3

#	Otro	Date
	There are no responses.	

Q40 Por favor, indique su ingreso anual bruto (ingresos totales antes de impuestos y otras deducciones)

Answered: 3 Skipped: 1,084



Answer Choices	Responses
\$ 20,000 o menos	0.00% 0
\$20,001 - \$49,999	33.33% 1
\$50,000 - \$74,999	33.33% 1
\$75,000 - \$99,999	33.33% 1
\$ 100,000 o mayor	0.00% 0
No estoy seguro	0.00% 0
Total	3

Q41 Si usted tiene información adicional que le gustaría compartir acerca de sus conocimientos y experiencias sobre los peligros en el Condado de San Mateo , por favor utilice el siguiente cuadro .

Answered: 0 Skipped: 1,087

#	Responses	Date
	There are no responses.	

Emergency Services Council Meeting

April 21, 2016

5:30

Hall of Justice
Board of Supervisors
400 County Center
Redwood City, CA 94063

	NAME	Organization	E-Mail
1	Dan Mattei	OES	DMATTEI@SMC90V.ORG
2	Kathy Pope	OES	KPOPE@SMC90V.ORG
3	THOMAS MEYERS	ISD	tmeyers@
4	STEVE MAHALEY	OES	
5	Jessica Cerutti	Tetra Tech	jessicacerutti@tetratech.com
6	ROB FEANER	TETRA TECH	ROB.FEANER@TETRA.TC.GOV
7	BART SPENCER	CCFD	
8	BRAD HARTZELL	OES	
9	JOHN SCHULTZ	JUHSD	SCHULTZ JSCHULTZ@JUHSO.MARY
10	KEN THASHER	BELMONT FD	
11	JEFF NORRIS	OES	
12	Ken Anderson	SSFD	
13	Roger Ybello	CCFD	
14	GARY USHIRO	Westborough Water District	gushiro@pc9enr.com
15	Elaine Randy ^{Maynard}	Homeowner	dreamweaver462@gmail.com
16	Alma CAMERON	SIMS	
17	John Healy	San Mateo Fire	jhealy@cityofsanmateo.org
18	Nancy Nordin	SWSO	NNordin@smc90v.org
19	Scott SINOR	SSF CERT	NOCAWOOD@SBCglobal.net
20	Rob Bartoli	SMC Planner	
21	JOE SPANHEIMER	PACIFICA PD	spanhe
22	Rick Bisio	midpeninsula water	rickbisio@midpeninsulawater.org
23	John Kammeyer	CCFD	jkammeyer@ccfd.org
24	Dave Pucc	RCFD	DPucc@redwoodcrr.org
25	TRICHA HOWARD	HMA	thoward@smc90v.org

EMERGENCY SERVICES COUNCIL
MEETING
April 21, 2016
5:30 pm

Hall of Justice
Board of Supervisors
400 County Center
Redwood City, CA 94063

	NAME	Organization	E-Mail
26	Bill Eucher	SMH	
27	Pat Halloran	BELMONT	
28	Dave Crasta	SMU BUREAU	
29	Janelle Masterson	SUNMATEO / FOSTERING	
30	Ryan Zouloff	MENLO FIRE	
31	DOUG YAKEL	SFO	DOUG.YAKEL@FLYSFO.COM
32	Waymond Wang	SMC BH	
33	BARBARA HOLLENKAMP	CERT	LHOLL@PACBELL.NET
34	DIANE V.S. JONES	PUBLIC	ddvjones@gmail.com
35	Michael Barber	S.M. County	mbarber@smccgov.org
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Check In/Out Log

ICS 211

Incident Name: ESC Meeting – April 21, 2016	Date Prepared: April 21, 2016	Time Prepared: 17:00
Operational Period: NA	Operational Period Date/Time: From: 21 Apr 2016 at 17:30	To: 21 Apr 2016 at

Print Name	Representing	Time
Adrienne Tussion	Board of Supervisors	5:30
	Atherton	
Darina Huel	Belmont	
	Brisbane	
EMILY BEACH	Burlingame	5:17 pm
DIANA COLVIN	Colma	5:19 pm
	Daly City	
	East Palo Alto	
	Foster City	
DEBORAH PENROSE	Half Moon Bay	5:20
Marie Chuang	Hillsborough	5:20 -
	Menlo Park	
ANN Schneider	Millbrae	5:40
Sue Digisi	Pacifica	
John Williams	Portola Valley	
IAN BAIN	Redwood City	
	San Bruno	
Matt Grocott	San Carlos	
	South San Francisco	
	Woodside	

Diane Papan

San Mateo 5:30



IS YOUR COMMUNITY AT RISK FOR NATURAL DISASTERS?

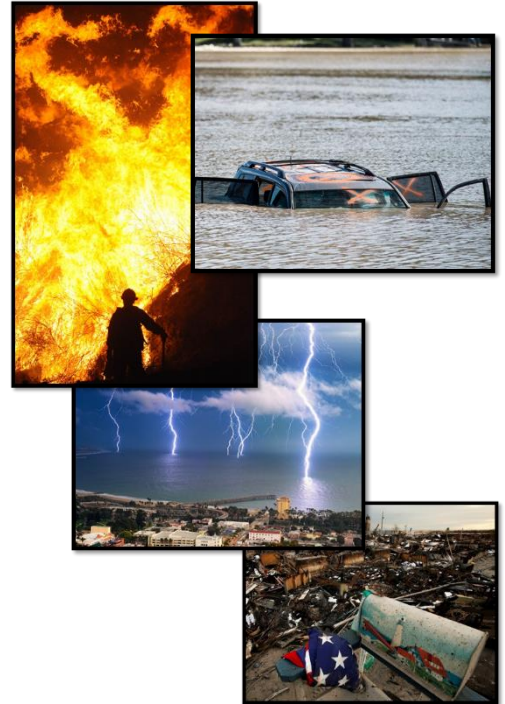
Take the Online Survey!

All residents of San Mateo County are invited to join us in the development of the San Mateo County Hazard Mitigation Plan.

A hazard mitigation plan is the foundation of a community's long term strategy to reduce losses and break the disaster cycle. As a result, we want to partner with you in developing this plan:

- We want to hear about what concerns you the most and what impact disasters have had on you and your family.
- We want your feedback throughout the planning process.
- We want your edits and suggestions to the plan as drafts become available for review.

Take the first step by submitting your response to the San Mateo County Hazard Mitigation Public Survey!



TELL US ABOUT YOUR EXPERIENCE WITH THE FOLLOWING HAZARDS:

- ❖ Climate Change
- ❖ Dam Failure
- ❖ Drought
- ❖ Earthquake
- ❖ Flood
- ❖ Landslide
- ❖ Severe Weather
- ❖ Tsunami
- ❖ Wildfire
- ❖ Human-caused Hazards

PARTICIPATING STAKEHOLDERS:

- San Mateo County
- Atherton
- Belmont
- Brisbane
- Burlingame
- Colma
- Daly City
- East Palo Alto
- Half Moon Bay
- Hillsborough
- Menlo Park
- Millbrae
- Pacifica
- Portola Valley
- Redwood City
- San Bruno
- San Carlos
- South San Francisco
- Woodside
- Belmont Fire District
- Colma Fire District
- Woodside Fire District
- San Mateo Community College District
- Mid-Peninsula Water District
- Westborough Water District
- Jefferson Union HS District
- Pacifica School District
- North Coast Community Water District
- Highlands Recreational District
- *And Most Important...*

COMPLETE THE SURVEY NOW:

www.surveymonkey.com/r/SMPublic



 **YOU**



STAY INFORMED OF UPCOMING EVENTS:

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



IS YOUR COMMUNITY AT RISK FOR NATURAL DISASTERS?

Review the Plan! Give us **YOUR** suggestions!

All residents of San Mateo County are invited to join us in reviewing the draft San Mateo County Hazard Mitigation Plan.

A hazard mitigation plan is the foundation of a community's long term strategy to reduce losses and break the disaster cycle. As a result, we want your suggestions for the draft plan.



PARTICIPATING STAKEHOLDERS:

- San Mateo County
- Atherton
- Belmont
- Brisbane
- Burlingame
- Colma
- Daly City
- East Palo Alto
- Half Moon Bay
- Hillsborough
- Menlo Park
- Millbrae
- Pacifica
- Portola Valley
- Redwood City
- San Bruno
- San Carlos
- South San Francisco
- Woodside
- Belmont Fire District
- Colma Fire District
- Woodside Fire District
- San Mateo Community College District
- Mid-Peninsula Water District
- Westborough Water District
- Jefferson Union HS District
- Pacifica School District
- North Coast Community Water District
- Highlands Recreational School District
- *And Most Important...*

Review the Plan!

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



 **YOU**



Give us **YOUR** Feedback on the Plan!

<https://www.surveymonkey.com/r/SMCPlanComment>

NEWS

FOR IMMEDIATE RELEASE

April 18, 2016

Contact: Battalion Chief Brad Hartzell, 650-363-4790

Public Input Sought on Hazard Mitigation Plan

Community meeting to be held as part of update process

Redwood City — The County of San Mateo and several partnering agencies working together on a countywide Hazard Mitigation Plan (HMP) are seeking public input at an upcoming community meeting where residents can learn about the process and gather personal preparedness information.

WHAT: Hazard Mitigation Plan Community Meeting (held in conjunction with the Emergency Services Council Meeting)

WHEN: 5:30 p.m. to 7 p.m. Thursday, April 21, 2016

WHERE: Board of Supervisors Chambers, 400 County Center, Redwood City

Residents, local officials, industry representatives, educators and others are encouraged to attend.

BACKGROUND: The County, its cities and special districts are federally mandated by the Disaster Mitigation Act of 2000 to create a detailed plan to prepare for and respond to local natural disasters. Communities with a plan approved by the Federal Emergency Management Agency (FEMA) may apply for pre-disaster mitigation funding for projects like home elevations and local flood control.

The planning process will take approximately eight months to complete. The community meeting is an opportunity for the public to learn about the planning process and ask questions of staff about hazards like earthquakes and floods. Attendees can also take home personal preparedness materials.

This planning process to ensure sustainable and resilient communities is being managed by the San Mateo County Office of Emergency Services, Redwood Fire Department, and Central County Fire Department with support from a technical consultant.

Along with the upcoming meeting, the public engagement process includes posting information at <http://planning.smcgov.org/local-hazard-mitigation-plan> and asking residents to complete a survey about their concerns and the impact of natural disasters on them and their loved ones. The survey remains open at www.surveymonkey.com/r/SMPublic.

###

NEWS

FOR IMMEDIATE RELEASE

June 10, 2016

Contact: Battalion Chief Brad Hartzell, 650-363-4790

Community Input Sought on San Mateo County Hazard Mitigation Plan *20-day public comment period on draft plan begins*

Redwood City — The San Mateo County Hazard Mitigation Plan (HMP) Steering Committee invites all San Mateo County residents to review and comment on the final draft of the 2016 San Mateo County Multi-Jurisdictional HMP.

The County, its cities and special districts are federally mandated by the Disaster Mitigation Act of 2000 to create a detailed plan to prepare for and respond to local natural and human-caused disasters that could affect some or all of the county's residents. Communities with a plan approved by the Federal Emergency Management Agency (FEMA) may apply for pre-disaster mitigation funding for projects like home elevations and local flood control.

The draft plan presented by the San Mateo Office of Emergency Services is available for download at <http://planning.smcgov.org/local-hazard-mitigation-plan> and will be open for public comment June 10, 2016 through June 30, 2016.

At the conclusion of the public comment period the plan will be reviewed by the California Office of Emergency Services and the Federal Emergency Management Agency (FEMA) Region IX office.

Comments can be provided through <https://www.surveymonkey.com/r/SMCPlanComment> or sent by mail to the San Mateo Office of Emergency Services at 400 County Center, Redwood City, CA 94063.

When providing input please provide your community, your affiliation (if applicable), and reference the plan on the front of the envelope and within the survey.

###

Location	Comment	Response
Volume I, Part 3, Chapter 3	Add: CW-6--Develop a County-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 should identify the training and exercises that will help organizations within the County build and sustain the core capabilities needed to address training and exercise program priorities in planning for emergencies.	The preparation of a regional TEP must be agreed upon by all jurisdictions as a preparedness initiative, likely at the Emergency Services Council level. Additionally, this plan focuses mainly on mitigation initiatives – long term actions meant to minimize the effects of disaster. Documentation of a TEP initiative is more appropriate in a preparedness plan.
Volume I, Sea Level Rise Inundation	Map in Linda Mar, Pacifica shows no flooding. This is incorrect. Historically, Linda Mar has already had flooding w/o the 6' inundation in 2014, 1983, 1972, 1962 and others.	<p>The map of Linda Mar, Pacifica is based on the current effective Flood Insurance Rate Map (FIRM). These federal maps were used as the best available data and do not include sea level rise or Limit of Moderate Wave Action (LiMWA). The current effective FIRM shows Zone AH for the Linda Mar area, and is reflected on the Pacifica map accordingly. Future FIRMs are anticipated to include sea level rise and LiMWA. Future mitigation planning initiatives will reflect this change in the federal standard.</p> <p>Previous events noted in Linda Mar have been added to the Natural Hazard Events History for Pacifica where appropriate or not already included.</p>
Volume I, Section 2.9, Table 2-3	1 residential and no govt. or commercial units are shown. This is incorrect. Historically, the Linda Mar shopping center, 300 homes and the community center have been flooded. These maps do not consider either storm surge or wave action. Please remember, Pacifica is ON THE COAST, and flooding is not initiated by a calm ocean.	<p>The map of Linda Mar, Pacifica is based on the current effective Flood Insurance Rate Map (FIRM). These federal maps were used as the best available data and do not include sea level rise or Limit of Moderate Wave Action (LiMWA). The current effective FIRM shows Zone AH for the Linda Mar area, and is reflected on the Pacifica map accordingly. Future FIRMs are anticipated to include sea level rise and LiMWA. Future mitigation planning initiatives will reflect this change in the federal standard.</p> <p>Data was adjusted to include a total of 6 residential units, where the sea level rise layer intersects with parcels instead of the structure points on the noted parcels. This assessment is based on county data.</p>

Location	Comment	Response
		<p>Modeling capabilities for measuring sea level rise in concert with storm surge and wave action was not available for this planning process and exceed the scope of this plan. As such static sea level rise models were used as best available data. Inundation extent maps from Our Coast, Our Future (http://data.prbo.org/apps/ocof/index.php?page=flood-map) are referenced in the climate change chapter for consideration as an alternate model for SLR to that used in the development of this plan.</p>
<p>Volume 2, Chapter 13, Past Occurrences of Natural Hazards</p>	<p>In the early 1980s a landslide killed 3 children in Park Pacifica, a Valdez home slid into the home below, 2 Sharp Park beach homes slide down hill AND in 1998 cliff erosion on Esplanade initiated the removal of several homes.</p>	<p>Added events to Pacifica's Natural Event History.</p>
<p>N/A</p>	<p>No Category Found: Erosion/Storm Surge/Wave Action To consider SLR in Pacifica, the report MUST have a section on erosion. In Esplanade there has been several hundred feet of erosion in the last hundred years. If you consider even 6 feet of SLR, that average will not only get bigger but will go up at a faster rate. Secondly, to consider SLR without storm surge and wave action is to underestimate the ocean level by a large number of feet.</p>	<p>Erosion and coastal hazards is addressed as part of the Severe Weather Chapter.</p> <p>Late in the planning process, the Steering Committee identified the need to expand upon the information provided in Severe Weather in a standalone coastal hazards chapter during the next planning process. This recommendation has been captured in the plan (Volume I, Section 2, Chapter 1, Part 1.1).</p> <p>Modeling capabilities for measuring sea level rise in concert with storm surge and wave action was not available for this planning process and exceed the scope of this plan. As such static sea level rise models were used as best available data. Inundation extent maps from Our Coast, Our Future (http://data.prbo.org/apps/ocof/index.php?page=flood-map) are referenced in the climate change chapter for consideration as an alternate model for SLR to that used in the development of this plan.</p>

Location	Comment	Response
Volume II, Chapter 13, Figure 13-5	<p>13-5 shows the hazard from 6 ft of sea level rise. This map is evidently from a "bathtub" model, where king tides, high waves and bluff erosion are not considered.</p> <p>The storm damage during the winter of 2016 came from a combination of those 3 forces, coupled with only 8 inches of sea level rise. That storm damage, which was considerable, was not accounted for by any of the maps presented in Chapter 13 (Pacifica).</p> <p>I would suggest including SM County's own Inundation Extent maps (available at http://seachangesmc.com/current-efforts/vulnerability-assessment/), which show 1% AEP inundation zones for 3 or 6 ft sea level rise, and also show future erosion zones.</p>	<p>Modeling capabilities for measuring sea level rise in concert with storm surge and wave action was not available for this planning process and exceed the scope of this plan. As such, static sea level rise models were used as best available data.</p> <p>Inundation extent maps from Our Coast, Our Future (http://data.prbo.org/apps/ocof/index.php?page=flood-map) are referenced in the climate change chapter for consideration as an alternate model for SLR to that used in the development of this plan.</p>
Volume I, Section 2, Chapter 2.9 (Flood)	<p>The map from NOAA is used to project sea level rise hazards. Unfortunately, even the "hydrologically unconnected" areas that may flood as shown on the original NOAA map are not shown here. These would include the lower Linda Mar area of Pacifica, and the Laguna Salada area of the Sharp Park golf course, also in Pacifica. Furthermore, the map does not consider king tides, high waves and bluff erosion, all of which combined this last winter to cause a number of buildings next to the ocean to be uninhabitable, and red-tagged by the building inspector.</p>	<p>The data provided by ABAG and the County is NOAA data from 2012. References to an alternate or "original" NOAA map could not be found.</p> <p>Modeling capabilities for measuring sea level rise in concert with storm surge and wave action was not available for this planning process and exceed the scope of this plan. As such static sea level rise models were used as best available data.</p> <p>Inundation extent maps from Our Coast, Our Future (http://data.prbo.org/apps/ocof/index.php?page=flood-map) are referenced in the climate change chapter for consideration as an alternate model for SLR to that used in the development of this plan.</p>
Volume II, Section 2, Chapter 13	<p>Other noted vulnerabilities...</p> <p>It should be emphasized that Hwy 1 north or south is the ONLY road access to half of Pacifica's population. From the Vallemar neighborhood south to Linda Mar, it is the only way in or out.</p> <p>Also, during the storms of winter 2016, Beach Blvd was overtopped by high waves on multiple occasions. During the first emergency repairs, water supply to a number of homes was interrupted, supposedly by a huge rock dropped into a storm-induced void behind the seawall. I think the vulnerabilities should include</p>	<p>Vulnerability and synopsis of storm damage from 2016 already incorporated.</p>

Location	Comment	Response
	the infrastructure of wastewater, the NCCWD, and PG&E underneath Beach Blvd.	
Volume II, Section 2, Chapter 13	<p>The floods of 1962, 1972, and 1983 should be mentioned in the table. In the 1983 storm, a landslide killed kids in their beds in Park Pacifica, about 300 homes in Linda Mar flooded, and highway 1, the shopping center and the Linda Mar pump station flooded.</p> <p>Also, in 1997-98, coastal erosion claimed a number of homes along Esplanade Ave in the northern part of Pacifica.</p>	Noted events added to natural hazard history table for Pacifica.
Volume I, Section 2, Chapter 9	<p>In Pacifica waves are a fact of life. If the 6' sea level inundation area is discussed without waves or storm surge, it does not reflect the realities of sea level rise. While it may be appropriate for the Bay side of the County to ignore wave action, the Coast must be framed differently. Considering sea level rise without wave action is a disservice to the Coast.</p> <p>The maps show only a 6' SLR from the NAVD MHHW of 5.9'. Every month we have tides well above that height. The maps do not consider flooding at the winter "king" tides.</p>	<p>Modeling capabilities for measuring sea level rise in concert with storm surge and wave action was not available for this planning process and exceed the scope of this plan. As such static sea level rise models were used as best available data.</p> <p>Inundation extent maps from Our Coast, Our Future (http://data.prbo.org/apps/ocof/index.php?page=flood-map) are referenced in the climate change chapter for consideration as an alternate model for SLR to that used in the development of this plan.</p> <p>Flood mapping is based on the current effective Flood Insurance Rate Map (FIRM). These federal maps were used as the best available data and do not include sea level rise or Limit of Moderate Wave Action (LiMWA). Future FIRMs are anticipated to include sea level rise and LiMWA. Future mitigation planning initiatives will reflect this change in the federal standard.</p>
	It is absolutely necessary to consider coastal erosion. Again, the constant of waves cannot be ignored.	Coastal erosion is addressed in the Severe Weather chapter of Section 2. Late in the planning process, the Steering Committee identified the need for a standalone Coastal Hazards chapter for future plan updates. This recommendation has been captured in Volume I, Section 2, Chapter 1, Part 1.1
	More detailed information is necessary. The statement that "... property exposure and	Exposure and vulnerability will be the same for the coast. The property and

Location	Comment	Response
	<p>vulnerability would be unlikely to increase as a direct result of climate change impacts...” would seem not to apply to the Coast. Storms have historically been far more damaging to the Coast than inland.</p>	<p>currently exposed and vulnerable to severe weather will remain exposed and vulnerable to severe weather. However, frequency and severity will likely increase. This is currently noted in the subsequent sentence.</p>
<p>Volume I, Section 2, Chapter 2</p>	<p>Your data is inconsistent. Table 2-1 shows only 3 people and 1 residential building in Pacifica exposed to Sea Level Rise while Pacifica has the 4th highest number of flood insurance policies in the County and more population exposed to Tsunami Hazard than the rest of the county combined?</p> <p>The County's own map shows many Pacifica government buildings in the danger zone with 3.3 feet of Sea Level Rise:</p> <p>http://pacificacity.org/images/SMC_SLR_asset_vulnerability_map.jpg</p> <p>The Tsunami Inundation maps from State GIS show the exact same parcels:</p> <p>http://pacificacity.org/images/MAP_PAC_tsunami_inundation_zone_600.jpg</p> <p>As do the Office of Emergency Services Flood Maps:</p> <p>http://pacificacity.org/images/MAP_PAC_tsunami_inundation_library.jpg</p> <p>City of Pacifica is planning to build a \$35.5M library in an area that is vulnerable in all three of these maps.</p> <p>It's never too late to be a good steward of the public's money.</p>	<p>Table 2-1 has been updated to include a total of 6 residential buildings and 20 people where the SLR intersects with the parcel assessed. Previously, the intersect was based on structure points within the parcel.</p> <p>All SLR assessments are inconsistent due to the various models used across the SLR assessment spectrum, as noted in the data limitations narrative contained in Section 2, Chapter 1. The SLR NOAA data and tsunami inundation data was provided by ABAG and the County and was agreed upon by the Steering Committee (consisting of multiple jurisdictional stakeholders) as the best available data for this project. Until a standardize SLR model is agreed upon universally, SLR data will remain subjective based on the selected datasets.</p> <p>Sea level rise and tsunami inundation area have no bearing on the number of flood insurance policies within an area. For more information on the purpose of the National Flood Insurance Program, please visit floodsmart.gov.</p> <p>The pacificacity.org blog cannot be verified as a legitimate source, as it has no association with the City of Pacifica or other governmental, research, or non-governmental organization.</p> <p>The original source for the draft sea level rise map from pacificacity.org is from the Our Coast, Our Future project which has been referenced in the climate change chapter as an alternate SLR model</p>

Location	Comment	Response
		<p>(http://data.prbo.org/apps/ocof/index.php?page=flood-map).</p> <p>The noted references from pacifica.city regarding tsunami and flood maps were cross checked with verifiable maps for tsunami (http://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=tsunami) and tsunami/flood (http://myhazards.caloes.ca.gov/) and found to be consistent with assessments and mapping contained in this plan.</p> <p>According to the pacificalibraryfoundation.com, the anticipated cost of the library is currently unknown. Additionally, the foundation indicates that the future library location is not susceptible to flood through an assessment using the Our Coast, Our Future data. The Foundation has received a letter from the Coastal Commission stating no objection to the new library location. Project and vulnerability regarding the library may be reassessed during the next planning process if decided upon by the Pacifica planning partners.</p>

Margaret Goodale
1135 Palou Drive, Pacifica CA 94044

San Mateo County Office of Emergency Services
400 County Center
Redwood City CA 94063
27 June 2016

Comments on San Mateo County Hazard Mitigation Plan

Sirs:

Thank you for providing an opportunity to comment on the Hazard Mitigation Plan. My comments are summarized below. The pages following detail the specific sections and my questions in red.

Volume 1

2.9 Flood

- In Pacifica waves are a fact of life. If the 6' sea level inundation area is discussed without waves or storm surge, it does not reflect the realities of sea level rise. While it may be appropriate for the Bay side of the County to ignore wave action, the Coast must be framed differently. Considering sea level rise without wave action is a disservice to the Coast.

This type of assessment exceeds the scope and purpose of this plan.

- The maps show only a 6' SLR from the NAVD MHHW of 5.9'. Every month we have tides well above that height. The maps do not consider flooding at the winter "king" tides.

This type of assessment exceeds the scope and purpose of this plan.

2.9.1 Landslide

- It is absolutely necessary to consider coastal erosion. Again, the constant of waves cannot be ignored.

Addressed in Severe Weather

2.9.2 Severe Weather

- More detailed information is necessary. The statement that "... property exposure and vulnerability would be unlikely to increase as a direct result of climate change impacts..." would seem not to apply to the Coast. Storms have historically been far more damaging to the Coast than inland.

The properties currently exposed and vulnerable to severe weather would still be exposed and vulnerable to severe weather. Frequency and severity may increase, which is already noted in the narrative immediately following the cited passage.

Volume 2

13.8 Hazard Mitigation Action Plan and Evaluation of Recommended Actions

- The HMP actions are especially appropriate. But, the Jurisdiction-Specific History is incomplete. To make the maps Landslide Hazard and Sea Level Rise more useful for Pacifica, storm induced erosion, king tides and storm surge must be integrated.

Additional events included where appropriate

Volume 3

Part 3 – Education Districts

- Note that the Jefferson Union High School District and Pacifica School District provide Natural Hazard Event History information that should be included in the Volume 2 Jurisdiction-Specific History.

Margaret Goodale
1135 Palou Drive, Pacifica CA 94044

Additional events included where appropriate

I hope that the topics of coastal erosion and storm surge and wave action will be incorporated more fully in future Hazard Mitigation Plans. Their consideration is critical to the future of Pacifica.

Future plan updates are anticipated to include a standalone chapter on coastal hazards.

Sincerely,
Margaret Goodale

San Mateo County Hazard Mitigation Plan, PART 2

SECTION 2 ANNEXES FOR MUNICIPAL PARTNERS

Chapter 13.

City of Pacifica

1. **13.1 Hazard Mitigation Plan Point of Contact** (13-1
SECTION 2 - Chapter 13 City of Pacifica)

Primary Point of Contact Joseph Spanheimer, Police Captain
Alternate Point of Contact Christian Murdock, Associate Planner

13.3 Capability Assessment

An assessment of legal and regulatory capabilities is presented in Table 13-1. An assessment of fiscal capabilities is presented in Table 13-2. An assessment of administrative and technical capabilities is presented in Table 13-3. Information on National Flood Insurance Program (NFIP) compliance is presented in Table 13-4. Classifications under various community mitigation programs are presented in Table 13-5. An assessment of education and outreach capabilities is presented in Table 13-6.

TABLE 13-1. LEGAL AND REGULATORY CAPABILITY (p. 13-4, **SECTION 2 - Chapter 13 City of Pacifica**)

Local Authority claimed for

- Flood Damage Prevention
Comment: *PMC Title 7, Chapter 5; §1, Ord. 506-C.S., eff. 7/27/1988*
- Comprehensive Emergency Management Plan
Comment: *City of Pacifica Emergency Operations Plan May 2014, San Mateo County Emergency Operations Plan w/ Annexes, fall 2015*
- Other
Comment: *Local Coastal Land Use Plan*
- Post-Disaster Recovery Plan
Comment: *City of Pacifica Emergency Operations Plan, San Mateo County Emergency Operations Plan, May 2015, w/ Continuity of Operations Plan Annex*

Other Jurisdiction Authority claimed for

- Threat & Hazard Identification & Risk Assessment
Comment: *San Mateo County Hazard Vulnerability Assessment, Jan 2015*
- Public Health Plan
Comment: *San Mateo County Health Department*

NO LEGAL OR REGULATORY CLAIMED FOR :

- FLOODPLAIN OR WATERSHED PLAN
- HABITAT CONSERVATION PLAN (**SHOULD THIS BE LOCAL AUTHORITY???**)
- SHORELINE MANAGEMENT PLAN

The City of Pacifica has no formal plans as named above. Such plans *may* be developed in the future.

TABLE 13-3. ADMINISTRATIVE AND TECHNICAL CAPABILITY

(p. 13-5, SECTION 2 - Chapter 13 City of Pacifica)

CLAIMS NO STAFF WITH TRAINING IN BENEFIT/COST ANALYSIS - WHAT ABOUT OUR ECONOMIC DEVELOPMENT DIRECTOR? ANYONE IN PLANNING???

As used in Table 1-3, the term “benefit/cost analysis” pertains to a specific program administered by the Federal Emergency Management Agency (FEMA). FEMA’s Benefit-Cost Analysis (BCA) program requires specific training on the methodology and software modules used to implement the program. While City staff has the ability to weigh future project costs versus historical losses and projected repairs, at present, the City does not have training on the BCA program.

TABLE 13-4 (P.13-6, SECTION 2 – Chapter 13

Planning Department is responsible for floodplain management

Flood damage ordinance was adopted 7-27-1988

398 flood insurance policies

111 claims filed

\$756,406 total payments for losses **(SOURCE??)**

The National Flood Insurance Program – Community Loss Statistics (as of July, 2016):
<http://bsa.nfipstat.fema.gov/reports/1040.htm>

- Do you have any citizen boards or commissions that address issues related to hazard mitigation? Yes The Emergency Preparedness and Safety Commission meets once a month and has a page on the City’s website

What training does this committee have in planning or adaptation to Sea Level Rise ?

The Emergency Preparedness & Safety Commission recommends and advises the city council on programs and activities related to emergency preparedness. Additionally, the commission sits as the appellate body for appeals relating to abandoned/ inoperable vehicle abatement, vehicles parked 72 hours or more and appeals of staff decisions relating to traffic safety issues. The current commissioners’ terms are set to expire every calendar year on October 31st. The commission is comprised of members of the community appointed by the City Council. There is no requisite training to be on the commission; however, relevant training is considered by Council. Commissioners receive procedural training (i.e., Brown Act).

13.4 Integration with Other Planning Initiatives

- 1.1.1 Existing Integration
- (Emphasis on Natural Disasters)
- General Plan: The Safety Element of the General Plan incorporates direct references to the LHMP. Additionally, it integrates information on pertinent local natural hazards, especially in the Safety Element. The Safety Element includes information on seismic and geologic hazards, flooding and drainage concerns, hazardous materials, and fire hazards.

13.5 Jurisdiction-Specific Natural Hazard Event History

TABLE 13-6 (P. 13-9, SECTION 2 – CHAPTER 13)

1. “Table 13-6 lists all past occurrences of natural hazards within the jurisdiction. “

(MUST INCLUDE 1983 FLOODING OF 300 LINDA MAR HOMES, 2 SHARP PARK BEACH HOMES WASHED AWAY, LINDA MAR SHOPPING CENTER FLOODED, HIGHWAY ONE FLOODED, CITY PUMP STATION FLOODED, PEREZ HOME SLID DOWN HILL, LANDSLIDE KILLED CHILDREN IN PARK PACIFICA.) (LINDA MAR FLOODED ALSO IN 1962 AND 1972.)

(MUST ALSO INCLUDE 1997-98 REMOVAL OF HOMES ALONG ESPLANADE DUE TO CLIFF EROSION) Synopsis added to event history for Pacifica

(“The two biggest El Niños on record hit hard. On Jan. 4, 1983, more than 5 inches of rain fell in one day. Residents in canoes paddled out of flooded homes in the San Pedro Valley. A mudslide at the top of the valley plowed into three homes, killing three children sleeping in their beds. The 1997-98 El Niño saw seven homes on Esplanade Avenue lose the last 10 feet of their backyards, and the residents had to evacuate.” – L.A. TIMES 20160201) Synopsis added to event history for Pacifica

13.8 Hazard Mitigation Action Plan and Evaluation of Recommended Actions (p 13-10, Section 2 - Chapter 13)

TABLE 13-8. HAZARD MITIGATION ACTION PLAN MATRIX (p13-11, Section 2 – Chapter13)

- PA-1— Pacifica will build infrastructure to accommodate increases in low impact flooding to mitigate impacts from expected increases in incidents of shallow flooding, to mitigate flooding and severe weather funded by “planned local drainage fund”
- PA-3-- Pacifica will update its flood damage prevention ordinance to mitigate against damage of residential and commercial property in flood prone areas,
- 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
- PA-7— Pacifica will preserve, protect, or relocate hazard prone infrastructure to maintain critical services and maintain the environment.
To mitigate flood, landslide & tsunami using HMGP Grant, bonds, General fund to mitigate flood & landslide funded by HMGP Grant (???)

Comment unclear - unaddressed

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. (P 13-12, Section2 – Chapter 13)

Funding from FEMA Hazard Mitigation Grants

• **Action G-5**—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.

Low priority – funded from General Fund

TABLE 13-9. MITIGATION STRATEGY PRIORITY SCHEDULE

PA-1 – high benefit, implementation and grant priority

PA-4 – high benefit, high grant priority, medium implementation priority

PA-7 – high benefit, implementation priority, low grant priority

Since we've labelled the implementation priority as "high" in PA-7, and stated it cannot be currently funded, I would suggest we move the grant priority to "medium".

MAP: LANDSLIDE HAZARD (P13-4 , SECTION 2 - Chapter 13)

(SHOWS ONLY RAINFALL INDUCED LANDSLIDES – NOT STORM INDUCED COASTAL EROSION)

Only rainfall induced landslides were assessed. Coastal erosion landslide datasets were not included in available data, therefore could not be assessed. Future plans will include a standalone coastal hazards chapter which will provide a more comprehensive, qualitative assessment on coastal erosion induced landslides.

MAP: SEA LEVEL RISE HAZARD (P 13-5, SECTION 2 - Chapter 13)

SHOWS 6 FT Above Mean Higher High Water (mean = 5.9 ft high tide NAVD)

Current "king tides" of > 7 ft would be = >13 ft king high without including storm surge or waves

Map is inaccurate!!! SEE: <https://coast.noaa.gov/slr/>

The noted NOAA map uses the same dataset provided in the plan assessment. The difference is in the addition of excess data regarding low-lying lands. Multiple SLR models exist and no single model is accurate. SLR assessment is based on multiple factors incapable of being based on historic evidence, therefore all models are subjective. The data used in the development of this plan was determined to be the best data available.

(Sea-cliff erosion at Pacifica, California caused by 1997/98 El Niño storms

By: Charles B. Snell, Kenneth R. Lajoie, and Edward W. Medley

Abstract (USGS)

Twelve homes were constructed in 1949 at the top of a sea cliff along Esplanade Drive in the City of Pacifica, located on the northern coast of San Mateo County, California. The rear yards of those properties were bounded by an approximately 20-meter (70-foot) high cliff that has retreated episodically at an average rate of 0.5 to 0.6 meter (1.5 to 2 feet) per year over the past 146 years. During the heavy storms of the 1997/1998 El Niño winter, a severe episode of cliff retreat undermined seven homes and threatened three others. All ten homes were condemned and demolished by the City of Pacifica. In this study we analyze geologic, tide, wave, rainfall and wind data in an attempt to determine the causes of this most recent erosion event. We identify the following possible contributory causes of the cliff retreat: 1) wave-induced undercutting of the cliff landward of an old revetment, 2) reduction in beach width over time, 3) reduction in cliff-face stability owing to infiltration from heavy rains, 4) erosion of the cliff face by groundwater piping, and 5) wind-induced erosion of loose dune sand at the top of the cliff. While these factors may explain the retreat of the cliff below the twelve homes along Esplanade Drive, the question remains as to why

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other geologically similar sites in the region were not severely eroded during the 1997/1998 El Niño winter.) Synopsis added to event history for Pacifica

SECTION 3: ANNEXES FOR SPECIAL DISTRICT PARTNERS North Coast County Water District

5.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact

Cari Lemke, General Manager

Alternate Point of Contact

Chris Regnart, Project Manager

TABLE 5-5. NATURAL HAZARD EVENTS (p 5-6, Chapter 5, North Coast County Water District)

Coastal Erosion from Sea Level Rise is not addressed

Natural hazard events for districts is based on direct effect on critical district facilities. Coastal erosion from sea level rise has not affected critical district facilities and is therefore not included on hazard events list.

5.8 Jurisdiction-Specific Vulnerabilities

(Apparently was done prior to Beach Blvd. pipe break in 2016)

Synopsis added

TABLE 5-7. HAZARD MITIGATION ACTION PLAN MATRIX

NCCWD-7 Develop a long term plan and execute the plan for the District’s Corporation Yard and offices.

5.11 Future Needs to Better Understand Risk/Vulnerability

Classes available for Public Agencies from FEMA designed to help the Agencies better understand risk/vulnerability in their specific location. Perhaps these classes can also help agencies who are interested in mitigation planning to apply for grants.

(p. 5-9, Chapter 5 North Coast County Water District)

Unclear comment – not addressed

Part 3 – Education Districts

San Mateo County Hazard Mitigation Plan

DRAFT

Jefferson Union High School District

7.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact John Schultz, Director of Operations

Alternate Point of Contact Patricia Ramos

(p. 7-1 Chapter 7 Jefferson Union High School District)

7.7 Jurisdiction-Specific Natural Hazard Event History

(p. 7-7 , Chapter 7 Jefferson Union High School District)

Table 7-5 lists all past occurrences of natural hazards within the jurisdiction.

TABLE 7-5. NATURAL HAZARD EVENTS

Severe Weather & Landslide	DR-1628	02/03/2006	\$562,771.00 (Trees & Landslide)
Severe Weather	DR-1203	02/09/1998	\$4,200.00 (Trees & Debris)
Landslide	DR-758	02/28/1986	\$333,202.00 (Landslide)
Landslide	DR-651	01/07/1982	\$199,900.00 (Landslide)

Chapter 8 Pacifica School District

DRAFT

Hazard Mitigation Plan Point of Contact

8.2

Primary Point of Contact John Hashizume, Director of Facilities

Alternate Point of Contact Josephine Peterson, Chief Business Official

8.7 Jurisdiction-Specific Natural Hazard Event History

Table 8-5 lists all past occurrences of natural hazards within the jurisdiction.

TABLE 8-5. NATURAL HAZARD EVENTS

	FEMA Disaster #	
Flood	DR-758 2/21/1986	damage assessment unknown
Coastal storm	DR-677 2/9/1983	“ unknown
Flood	DR-651 1/7/1982	“ unknown
Flood	DR-145 2/25/1963	“ unknown
Severe storm	DR-138 10/24/1962	“ unknown

(NOTE: 1983 FLOODING CAUSED SCHOOL TO BE CLOSED.)

MUST CONSIDER ACCESS TO CABRILLO WITH 6 FT SEA LEVEL RISE

Statement not supported by sea level rise assessment.



APPENDIX E

San Mateo 2010 Action Items Status



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No.	Strategy	Status	Carry forward to new plan?	Comments
1	Provide materials to the public related to coping with disrupted storm drains, sewage lines, and wastewater treatment.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification on type or platform of public information distribution.
2	Continue to enforce and/or comply with State- mandated requirements, such as the <i>California Environmental Quality Act</i> and environmental regulations to ensure that urban development is conducted in a way to minimize air pollution. For example, air pollution levels can lead to global warming, and then to drought, increased vegetation susceptibility to disease (such as pine bark beetle infestations), and associated increased fire hazard.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
3	Conduct periodic fire-safety inspections of all commercial and institutional buildings.	Ongoing	No	Existing program - integrated part of operational response structure. Not appropriate mitigation item.
4	Work with health care facilities to institute isolation capacity should a need for them arise following a communicable disease epidemic.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
5	Develop a plan for short-term and intermediate-term sheltering of impacted residents.	Ongoing	No	Existing program - integrated part of operational response structure. Not appropriate mitigation item.
6	Adopt the 2003 International Existing Building Code, the 1997 UBC, or the latest applicable code standard for the design of voluntary or mandatory retrofit of seismically vulnerable buildings.	Complete	No	New building code standards.
7	Incorporate FEMA guidelines and suggested activities into local government plans and procedures for managing flood hazards.	Ongoing	No	Existing program - integrated part of operational response structure. Not appropriate mitigation item.
8	Require owners to inform all existing tenants that they live in this type of building and the standard to which it may have been retrofitted, as well as require owners to inform tenants that they will live in this type of building prior to signing a lease.	No Progress	No	Not feasible due to political and public backlash.
9	Work with State of California licensing agencies to identify these ancillary facilities in your community.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
10	Encourage these facility operators to develop disaster mitigation plans.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
11	Require owners to inform all existing tenants that they should be prepared to live elsewhere following an earthquake even if the building has been retrofitted, for it has probably been retrofitted to a life-safety standard, not to a standard that will allow occupancy following major earthquakes.	No Progress	No	Not feasible due to political and public backlash.

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No.	Strategy	Status	Carry forward to new plan?	Comments
12	Retrofit or replace critical lifeline facilities and/or their backup facilities that are shown to be vulnerable to damage in natural disasters.	Ongoing	Yes	Crosswalk to Objective 11.
13	Plan for speeding the repair and functional restoration of lifeline systems through stockpiling of shoring materials, temporary pumps, surface pipelines, portable hydrants, and other supplies, such as those available through the Water Agency Response Network (WARN).	Ongoing	No	Existing program - integrated part of operational response structure. Not appropriate mitigation item.
14	Have back-up emergency power available for critical intersection traffic lights.	Ongoing	Yes	Included in list of mitigation alternatives.
15	Pre-position emergency power generation capacity (or have rental/lease agreements for these generators) in critical buildings of cities, counties, and special districts to maintain continuity of government and services.	Ongoing	No	Existing program - integrated part of operational response structure. Not appropriate mitigation item.
16	Develop unused or new pedestrian rights-of-way as walkways to serve as additional evacuation routes (such as fire roads in park lands).	Ongoing	Yes	Included in list of mitigation alternatives.
17	Include "areas subject to high ground shaking, earthquake-induced ground failure, and surface fault rupture" in the list of criteria used for determining a replacement schedule for pipelines (along with importance, age, type of construction material, size, condition, and maintenance or repair history).	Ongoing	Yes	Addressed in Objective 3.
18	Encourage these facility operators to create, maintain, and/or continue partnerships with local governments to develop response and recovery plans.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
19	Ensure that you know the Metropolitan Medical Response System (MMRS) cities in your area. For example, Oakland and Fremont are the MMRS cities in Alameda County. MMRS cities are those cities that are provided with additional federal funds for organizing, equipping, and training groups of local fire, rescue, medical, and other emergency management personnel.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Unclear purpose for identifying these cities.
20	Know if any National Disaster Medical System (NDMS) uniformed or non-uniformed personnel are within one-to-four hours of your community. These federal resources include veterinary, mortuary, and medical personnel.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Unclear purpose for identifying these resources.
21	Train appropriate personnel to understand that the Metropolitan Medical Response System (MMRS) cities in your area. For example, Oakland and Fremont are the MMRS cities in Alameda County. MMRS cities are those cities that are provided with additional federal funds for organizing, equipping, and training groups of local fire, rescue, medical, and other emergency management personnel.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Unclear purpose for training personnel about these cities.

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No.	Strategy	Status	Carry forward to new plan?	Comments
22	Train appropriate personnel to know if any National Disaster Medical System (NDMS) uniformed or non- uniformed personnel are within one-to-four hours of your community. These federal resources include veterinary, mortuary, and medical personnel.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Unclear purpose for training personnel about the existence of NDMS resources in the area.
23	Be aware of past problems of inadequate hazard disclosure and work with real estate agents to improve enforcement of real estate disclosure requirements for those hazards covered by this plan, for example, by making those agents and the disclosure firms aware of the hazard maps incorporated in this plan and available on the ABAG web site at http://quake.abag.ca.gov/mitigation , as well as locally developed maps.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
24	Coordinate with PG&E and others to investigate ways of minimizing the likelihood that power interruptions will adversely impact vulnerable communities, such as the disabled and the elderly.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
25	Create incentives for owners of historic or architecturally significant residential buildings to undertake mitigation to levels that will minimize the likelihood that these buildings will need to be demolished after a disaster, particularly if those alterations conform to the federal Secretary of the Interior's <i>Guidelines for Rehabilitation</i> .	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
26	Coordinate with the State Division of Safety of Dams to ensure an adequate timeline for the maintenance and inspection of dams, as required of dam owners by State law.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
27	Ensure that transit operators, private ambulance companies, cities, and/or counties have mechanisms in place for medical transport during and after disasters that take into consideration the potential for reduced capabilities of roads following these same disasters.	Ongoing	No	Existing program - integrated part of operational response structure. Not appropriate mitigation item.
28	Encourage private retrofit contractors and home inspectors doing work in your area to take retrofit classes on a periodic basis (such as the FEMA-developed training classes offered by ABAG) on retrofitting of single-family homes.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
29	Install specially-engineered pipelines in areas subject to faulting, liquefaction, earthquake-induced landsliding, or other earthquake hazard.	Ongoing	yes	Included in list of mitigation alternatives.
30	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
31	Ensure a reliable source of water for fire suppression (meeting acceptable standards for minimum volume and duration of flow) for existing and new development.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.

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No.	Strategy	Status	Carry forward to new plan?	Comments
32	Replace or retrofit water-retention structures that are determined to be structurally deficient.	Ongoing	yes	Addressed in Objective 11.
33	Enforce and/or comply with the hazardous materials requirements of the State of California Certified Unified Program Agency (CUPA).	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
34	Work to educate condominium and apartment owners, local government staff, engineers, and contractors on soft-story retrofit procedures and incentives using materials such as those developed by ABAG (see http://quake.abag.ca.gov/fixit) and the City of San Jose	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
35	Tie public education on defensible space and a comprehensive defensible space ordinance to a field program of enforcement.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
36	Develop financial incentives for homeowners to be "model" defensible space homes in neighborhoods that are wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
37	Install portable facilities (such as hoses, pumps, emergency generators, or other equipment) to allow pipelines to bypass failure zones such as fault rupture areas, areas of liquefaction, and other ground failure areas (using a priority scheme if funds are not available for installation at all needed locations).	Ongoing	yes	Included in list of mitigation alternatives.
38	Promote the installation of early warning fire alarm systems in homes wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat connected to fire department communication systems.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
39	Develop a coordinated approach between fire jurisdictions and water supply agencies to identify needed improvements to the water distribution system, initially focusing on areas of highest wildfire hazard.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
40	Enforce minimum road width of 20 feet with an additional 10-foot clearance on each shoulder on all driveways and road segments greater than 50 feet in length in wildfire hazard areas.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item. Division VII Building Regulations.
41	Require that development in high fire hazard areas provide adequate access roads (with width and vertical clearance that meet the minimum standards of the <i>Fire Code</i> or relevant local ordinance), onsite fire protection systems, evacuation signage, and fire breaks.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item. Division VII Building Regulations.
42	Ensure that fire-preventive vegetation- management techniques and practices for creek sides and high-slope areas do not contribute to the landslide and erosion hazard.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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No.	Strategy	Status	Carry forward to new plan?	Comments
43	Balance the housing needs of residents against the risk from potential flood-related hazards.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
44	Ensure that new development pays its fair share of improvements to the storm drainage system necessary to accommodate increased flows from the development.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
45	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.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
46	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 as part of regular maintenance activities.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
47	Encourage home and apartment owners to participate in home elevation programs.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
48	Install earthquake-resistant connections when pipes enter and exit bridges.	Ongoing	yes	Included in list of mitigation alternatives.
49	Develop a defensible space vegetation program that includes the clearing or thinning of (a) non-fire resistive vegetation within 30 feet of access and evacuation roads and routes to critical facilities, or (b) all non-native species (such as eucalyptus and pine, but not necessarily oaks) within 30 feet of access and evacuation roads and routes to critical facilities.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
50	Elevate critical bridges affected by flooding to increase stream flow and maintain critical access and egress routes.	Ongoing	yes	Included in list of mitigation alternatives.
51	Require engineered plan sets for retrofitting of homes on steep hillsides.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
52	Adopt the 2003 International Existing Building Code, the 1997 UBC, or the latest applicable code standard for the design of voluntary or mandatory soft-story building retrofits.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
53	Explore development of local ordinances or State regulations to require or encourage owners of soft-story structures to strengthen them.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
54	Provide technical assistance in seismically strengthening soft-story structures.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
55	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
56	Earthquake Public Education	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification on type or platform of public information distribution.

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No.	Strategy	Status	Carry forward to new plan?	Comments
57	Increase efforts to reduce hazards in existing development in high wildfire hazard areas (identified as wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat) through improving engineering design and vegetation management for mitigation, appropriate code enforcement, and public education on defensible space mitigation strategies.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
58	Require that new homes in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat be constructed of fire-resistant building materials (including roofing and exterior walls) and incorporate fire-resistant design features (such as minimal use of eaves, internal corners, and open first floors) to increase structural survivability and reduce ignitability. Note - See Structural Fire Prevention Field Guide for Mitigation of Wildfires at http://osfm.fire.ca.gov/structural.html .	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
59	As funding opportunities become available, encourage home and apartment owners to participate in acquisition and relocation programs for areas within floodways.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
60	Consider fire safety, evacuation, and emergency vehicle access when reviewing proposals to add secondary units or additional residential units in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
61	Create a mechanism to enforce provisions of the <i>California Building and Fire Codes</i> and local housing codes that require the installation of smoke detectors and/or fire-extinguishing systems by making installation a condition of (a) finalizing a permit for any work on existing properties valued at over a fixed amount, such as \$500 or \$1000, and/or (b) a condition for the transfer of property if these changes are determined cost-effective strategies.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
62	Require fire sprinklers in new homes located more than 1.5 miles or a 5-minute response time from a fire station or in an identified high hazard wildland-urban-interface wildfire area.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.

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No.	Strategy	Status	Carry forward to new plan?	Comments
63	Increase efforts to reduce landslides and erosion in existing and future development by improving appropriate code enforcement and use of applicable standards, such as those appearing in the <i>California Building Code</i> , <i>California Geological Survey Special Report 117 – Guidelines for Evaluating and Mitigating Seismic Hazards in California</i> , <i>American Society of Civil Engineers (ASCE) report Recommended Procedures for Implementation of DMG Special Publication 117: Guidelines for Analyzing and Mitigating Landslide Hazards in California</i> , and the <i>California Board for Geologists and Geophysicists Guidelines for Engineering Geologic Reports</i> . Such standards should cover excavation, fill placement, cut-fill transitions, slope stability, drainage and erosion control, slope setbacks, expansive soils, collapsible soils, environmental issues, geological and geotechnical investigations, grading plans and specifications, protection of adjacent properties, and review and permit issuance.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
64	WORK TO educate building owners, local government staff, engineers, and contractors on soft-story retrofit procedures and incentives using materials such as those developed by ABAG (see http://quake.abag.ca.gov/fixit) and the City of San Jose	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
65	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.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
66	Provide technical assistance in seismically strengthening soft-story structures.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
67	Increase efforts to reduce fire in existing development through improving engineering design and vegetation management for mitigation, appropriate code enforcement, and public education on mitigation strategies.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
68	Require that new business and office buildings in high fire hazard areas be constructed of fire-resistant building materials and incorporate fire-resistant design features (such as minimal use of eaves, internal corners, and open first floors) to increase structural survivability and reduce ignitability.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
69	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 <i>specific</i> hazard of active faults that extend to the earth's surface, creating a surface rupture hazard.)	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.

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No.	Strategy	Status	Carry forward to new plan?	Comments
70	Adopt and amend as needed updated versions of the <i>California Building and Fire Codes</i> so that optimal fire-protection standards are used in construction and renovation projects.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
71	Create a mechanism to enforce provisions of the <i>California Building and Fire Codes</i> and other local codes that require the installation of smoke detectors and fire-extinguishing systems by making installation a condition of (a) finalizing a permit for any work on existing properties valued at over a fixed amount, such as \$500 or \$1000, and/or (b) on any building over 75 feet in height, and/or (b) as a condition for the transfer of property.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
72	Continue maintenance efforts to keep storm drains and creeks free of obstructions, while retaining vegetation in the channel (as appropriate), to allow for the free flow of water.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
73	Train homeowners to locate and shut off gas valves if they smell or hear leaking gas.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
74	Assess the vulnerability of critical facilities (such as city halls, fire stations, community service centers, seaports, and airports) to damage in natural disasters and make recommendations for appropriate mitigation.	Ongoing	Yes	Addressed by objective 11.
75	Retrofit or replace critical facilities that are shown to be vulnerable to damage in natural disasters.	Ongoing	Yes	Addressed by objective 11.
76	Enforce provisions under creek protection, stormwater management, and discharge control ordinances designed to keep watercourses free of obstructions and to protect drainage facilities to conform with the Regional Water Quality Control Board's Best Management Practices.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
77	Expand or participate in expanding traditional disaster exercises involving city and county emergency personnel to include airport and port personnel, transit and infrastructure providers, hospitals, schools, park districts, and major employers.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.

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No.	Strategy	Status	Carry forward to new plan?	Comments
78	Continue to participate not only in general mutual-aid agreements, but also in agreements with adjoining jurisdictions for cooperative response to fires, floods, earthquakes, and other disasters.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
79	Encourage the formation of a community-and neighborhood-based approach to wildfire education and action through local FireSafe Councils and the Fire Wise Program	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
80	Expand existing vegetation management programs in commercial and/or industrial areas.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
81	Ensure that new development pays its fair share of improvements to the storm drainage system necessary to accommodate increased flows from the development, <i>or</i> does not increase runoff by draining water to pervious areas or detention facilities.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
82	Ensure that utility systems in new developments are constructed in ways that reduce or eliminate flood damage.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
83	Place remote sensors in strategic locations for early warning of hazmat releases or use of weapons of mass destruction.	Ongoing	yes	Included in list of mitigation alternatives.
84	Encourage business owners to participate in building elevation programs.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
85	Encourage business owners to participate in acquisition and relocation programs for areas within floodways.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
86	Recognize that many strategies that increase earthquake resistance also decrease damage in an explosion. In addition, recognize that ventilation systems can be designed to contain airborne biological agents.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
87	Encourage the formation of a community-based approach to wildfire education and action through local Fire Safe Councils and the <i>Fire Wise Program</i> .	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
88	Encourage businesses and laboratories handling hazardous materials or pathogens increase security to a level high enough to create a deterrent to crime and terrorism, including active implementation of "cradle-to-grave" tracking systems.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
89	Encourage joint meetings of security and operations personnel at major employers to develop innovative ways for these personnel to work together to increase safety and security.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
90	Review and update, as necessary, procedures pursuant to the <i>State Dam Safety Act</i> for the emergency evacuation of areas located below major water-storage facilities.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
91	Clarify to workers in critical facilities and emergency personnel, as well as to elected officials and the public, the extent to which the facilities are expected to perform only at a life safety level (allowing for the safe evacuation of personnel) or are expected to remain functional following an earthquake.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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No.	Strategy	Status	Carry forward to new plan?	Comments
92	Encourage joint meetings of security and operations personnel at critical facilities to develop innovative ways for these personnel to work together to increase safety and security.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
93	Ensure that government-owned facilities are subject to the same or more stringent regulations as imposed on privately-owned development.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
94	Ensure that fire and police department personnel have adequate radios, breathing apparatuses, protective gear, and other equipment to respond to a major disaster.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
95	Encourage staff to participate in efforts by professional organizations to mitigate earthquake and landslide disaster losses, such as the efforts of the Northern California Chapter of the Earthquake Engineering Research Institute, the East Bay-Peninsula Chapter of the International Code Council, the Structural Engineers Association of Northern California, and the American Society of Grading Officials.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
96	Work cooperatively to ensure that school district personnel and relevant staff understand and are trained that being designated by the American Red Cross or others as a potential emergency shelter does not mean that the school has had a hazard or structural evaluation to ensure that it can be used as a shelter following any specific disaster.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
97	Plan to utilize the State of California Department of Health Services laboratory in Richmond for confirmation of biological agencies and Department of Defense laboratories in Berkeley (Lawrence Berkeley National Laboratory) or Livermore (Lawrence Livermore National Laboratory and Sandia) for confirmation of radiological agents.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
98	Work cooperatively to ensure that school district personnel understand and are trained that they are designated as disaster service workers and must remain at the school until released.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
99	Work on and/or support efforts by schools, local governments, and other agencies to utilize their unique ability to reach families through educational materials on hazards, mitigation, and preparedness, particularly after disasters and at the beginning of the school year. These efforts will not only make the entire community more disaster-resistant, but speed the return of schools from use as shelters to use as teaching facilities.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
100	Encourage regulatory agencies to work collaboratively with safety professionals to develop creative mitigation strategies that effectively balance environmental and safety needs, particularly to meet critical wildfire, flood, and earthquake safety levels.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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101	Enforce and/or comply with the grading, erosion, and sedimentation requirements by prohibiting the discharge of concentrated stormwater flows by other than approved methods that seek to minimize associated pollution.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
102	Explore ways to require that hazardous materials stored in the flood zone be elevated or otherwise protected from flood waters.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
103	Maintain a variety of crops in rural areas of the region to increase agricultural diversity and crop resiliency.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
104	Train appropriate personnel to know to utilize the State of California Department of Health Services laboratory in Richmond for confirmation of biological agents and Department of Defense laboratories in Berkeley (Lawrence Berkeley National Laboratory) or Livermore (Lawrence Livermore National Laboratory and Sandia) for confirmation of radiological agents.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
105	Encourage livestock operators to develop an early- warning system to detect animals with communicable diseases (due to natural causes or bioterrorism).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
106	Require that local government reviews of these investigations are conducted by appropriately trained and credentialed personnel.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
107	Develop a business continuity plan that includes back-up storage of vital records, such as essential medical records and financial information.	Ongoing	yes	Included in list of mitigation alternatives.
108	Establish a buffer zone between residential properties and landslide or wildfire hazard areas.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
109	Work cooperatively with the American Red Cross and others to set up memoranda of understanding for use of education facilities as emergency shelters following disasters.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
110	Protect as open space areas susceptible to extreme hazards.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
111	Assess the vulnerability of critical facilities designated by lifeline operators to damage in natural disasters or security threats, including facilities owned outside of the Bay Area that can impact service delivery within the region. Note - Lifeline agencies, departments, and districts are those that operate transportation and utility facilities and networks.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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112	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
113	Facilitate and/or coordinate the distribution of materials that are prepared by others, such as by placing materials in city or utility newsletters, or on community access channels, as appropriate.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
114	Work on and/or support joint efforts of schools and fire jurisdictions to develop plans for evacuation or sheltering in place of school children during periods of high fire danger, thereby recognizing that overloading of streets near schools by parents attempting to pick up their children during these periods can restrict access by fire personnel and equipment.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
115	Balance the needs for commercial and industrial development against the risk from potential flood- related hazards.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
116	Establish preservation-sensitive measures for the repair and reoccupancy of historically significant structures, including requirements for temporary shoring or stabilization where needed, arrangements for consulting with preservationists and expedited permit procedures for suitable repair or rebuilding of historically or architecturally valuable structures.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
117	Develop and implement a program to control invasive and exotic species that contribute to fire and flooding hazards (such as eucalyptus, cattails, and cordgrass).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
118	Continue to actively implement existing State law that requires cities and counties to maintain lists of the addresses of unreinforced masonry buildings and inform property owners that they own this type of hazardous structure.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
119	Continue to require that all new housing be constructed in compliance with structural requirements of the most recently adopted version of the <i>California Building Code</i> .	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
120	Comply with State of California and federal requirements to assess the vulnerability of dams to damage from earthquakes, seiches, landslides, liquefaction, or security threats.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
121	Offer the 20-hour basic CERT training to teachers and after-school personnel.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
122	Require that local government reviews of geologic and engineering studies are conducted by appropriately trained and credentialed personnel.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
123	Provide an institutional mechanism to ensure that development proposals adjacent to floodways and in floodplains are referred to flood control districts and wastewater agencies for review and	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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124	Establish a higher priority for funding seismic retrofit of existing transportation and infrastructure systems (such as BART) than for expansion of those systems.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
125	Offer the 20-hour basic CERT training to middle school and/or high school students as a part of the basic science or civics curriculum, as an after school club, or as a way to earn public service hours.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
126	Offer the 20-hour basic CERT training course through the Adult School system and/or through the Community College system.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
127	Examine the feasibility of developing a water-borne transportation "system" – comprised mainly of relatively inexpensive barges – across the Bay for use in the event of major earthquakes. Implementation of such a system could prove extremely useful in the event of structural failure of either the road-bridge systems or BART and might serve as an adjunct to existing transportation system elements in the movement of large numbers of people and/or goods.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
128	Conduct a watershed analysis at least once every three years.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Does not specify
129	Develop and maintain the capacity for schools to take care of the students for the first 48 hours after a disaster, and notify parents	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
130	Balance the need for the smooth flow of stormwaters versus the need to maintain wildlife habitat by developing and implementing a comprehensive Streambed Vegetation Management Plan that ensures the efficacy of flood control efforts and maintains the viability of living rivers.	Ongoing	yes	Included in list of mitigation alternatives.

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131	Comply with applicable performance standards of any <i>National Pollutant Discharge Elimination System</i> municipal stormwater permit that seeks to manage increases in stormwater run-off flows from new development and redevelopment construction projects.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
132	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
133	Pursue funding for the design and construction of storm drainage projects to protect vulnerable properties, including property acquisitions, upstream storage such as detention basins, and channel	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
134	Develop an approach and locations for various watercourse bank protection strategies, including for example, (1) an assessment of banks to inventory areas that appear prone to failure, (2) bank stabilization, including installation of rip rap, (3) stream bed depth management using dredging, and (4) removal of out-of-date coffer dams in rivers and tributary streams.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified, only examples.
135	Use reservoir sediment removal as one way to increase storage for both flood control and water supply.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified, only examples.
136	Provide a mechanism to expedite the repair or replacement of levees that are vulnerable to collapse from earthquake-induced shaking or liquefaction, rodents, and other concerns, particularly those protecting critical infrastructure.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
137	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 increasing plant security.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
138	Work with critical health care facilities operators to ensure that critical facilities are structurally sound and have nonstructural systems designed to remain functional following disasters (as required for acute-care hospitals for earthquakes by State law).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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139	Develop printed materials, utilize existing materials (such as developed by FEMA and the American Red Cross), conduct workshops, and/or provide outreach encouraging employees of these critical health care facilities to have family disaster plans and conduct mitigation activities in their own homes.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
140	Work to ensure a reliable source of water for fire suppression in rural-residential areas through the cooperative efforts of water districts, fire districts, and residents.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
141	Create discussion forums for food and health personnel, including, for example, medical professionals, veterinarians, and plant pathologists, to develop safety, security, and response strategies for food supply contamination.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified, only examples.
142	Utilize or recommend adoption of a retrofit standard that includes standard plan sets and construction details for voluntary bolting of homes to their foundations and bracing of outside walls of crawl spaces ("cripple" walls), such as that being developed by a committee representing the East Bay-Peninsula-Monterey Chapters of the International Code Council (ICC), California Building Officials (CALBO), the Structural Engineers Association of Northern California (SEAONC), the Northern California Chapter of the Earthquake Engineering Research Institute (EERI-NC), and ABAG's Earthquake Program.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
143	Establish tool-lending libraries with common tools needed for retrofitting for use by homeowners with appropriate training.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
144	Recognizing that some faults may be a hazard for surface rupture, even though they do not meet the strict criteria imposed by the Alquist-Priolo Earthquake Fault Zoning Act, identify and require geologic reports in areas adjacent to locally-significant faults.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
145	Investigate and adopt appropriate financial, procedural, and land use incentives for owners of soft-story buildings to facilitate retrofit such as those developed by ABAG (see http://quake.abag.ca.gov/fixit).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
146	Identify and work toward tying down mobile homes used as year-round permanent residences using an appropriate cost-sharing basis (for example, 75% grant, and 25% owners).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
147	Expand vegetation management programs in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat to more effectively manage the fuel load through roadside collection and chipping, mechanical fuel reduction equipment, selected harvesting, use of goats or other organic methods of fuel reduction, and selected use of controlled burning.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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148	Recognizing that the California Geological Survey has not completed earthquake-induced landslide and liquefaction mapping for much of the Bay Area, identify and require geologic reports in areas mapped by others as having significant liquefaction or landslide hazards.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
149	Work with residents in rural-residential areas to ensure adequate access and evacuation in wildland-urban- interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
150	Create a mechanism to require the bracing of water heaters and flexible couplings on gas appliances, and/or (as specified under "a. Single-family homes vulnerable to earthquakes" above) the bolting	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
151	Work with the State Fire Marshall, the California Seismic Safety, PEER, and other experts to identify and manage gas-related fire risks of soft-story residential or mixed use buildings that are prone to collapse and occupant entrapment consistent with the natural gas safety recommendations of Seismic Safety Commission Report SSC-02-03. Note - See http://www.seismic.ca.gov/pub/CSSC_2002-03_Natural%20Gas%20Safety.pdf . Also note - any valves that are installed may need to have both excess flow and seismic triggers ("hybrid" valves).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
152	Provide public information on locations for obtaining sandbags and/or deliver those sandbags to those various locations throughout a city and/or county prior to and/or during the rainy season.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
153	Better inform residents of comprehensive mitigation activities, including elevation of appliances above expected flood levels, use of fire-resistant roofing and defensible space in high wildfire threat and wildfire- urban-interface areas, structural retrofitting techniques for older homes, and use of intelligent grading practices through workshops, publications, and media announcements and events.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
154	Assist residents in the development of defensible space through the use of, for example, "tool libraries" for weed abatement tools, roadside collection and/or chipping services (for brush, weeds, and tree branches) in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
155	Develop a program to provide at-cost NOAA weather radios to residents of flood hazard areas.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
156	Create incentives for owners of historic or architecturally significant buildings to undertake mitigation to levels that will minimize the likelihood that these buildings will need to be demolished after a	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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157	To reduce flood risk, thereby reducing the cost of flood insurance to property owners, work to qualify for the highest-feasible rating under the Community Rating System of the National Flood Insurance Program.	Unclear/Unactionable Strategy	Yes	Rephrased and included in each municipal annex to address specific capabilities and participation in CRS and NFIP.
158	Provide public information on locations for obtaining sandbags and deliver those sandbags to those various locations throughout a city and/or county.	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
159	Actively notify owners of educational facility buildings of the availability of the local BORP-type program and encourage them to participate to ensure that appropriately qualified structural engineers are inspecting their buildings, thus reducing the likelihood that the buildings will be inappropriately evaluated following a disaster.	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
160	Provide information to business owners and employees on the availability of interactive hazard maps on ABAG's web site.	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
161	Develop printed materials, utilize existing materials (such as developed by FEMA and the American Red Cross), conduct workshops, and/or provide outreach encouraging businesses' employees to have family disaster plans that include drop-cover-hold earthquake drills, fire and storm evacuation procedures, and shelter-in-place emergency guidelines.	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
162	Develop printed materials, conduct workshops, and provide outreach to Bay Area businesses focusing on business continuity planning.	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
163	Better inform Bay Area business owners of mitigation activities, including elevation of appliances above expected flood levels, use of fire-resistant roofing and defensible space in wildland-urban-interface fire-threatened communities or in areas exposed to high-	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
164	Inform shoreline-property owners of the possible long-term economic threat posed by rising sea levels.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
165	Review 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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
166	Install micro and/or surveillance cameras around critical public assets tied to web-based software, and develop a surveillance protocol to monitor these cameras.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
167	Identify and undertake cost-effective retrofit measures on critical facilities (such as moving and redesigning air intake vents and installing blast-resistant features) when these buildings undergo major renovations.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.

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168	Maintain fire roads and/or public right-of-way roads and keep them passable at all times.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
169	Coordinate with the State Division of Safety of Dams to ensure that cities and counties are aware of the timeline for the maintenance and inspection of dams whose failure would impact their jurisdiction.	Unclear/Unactionable Strategy	No	Subject to security provisions - not feasible.
170	As a secondary focus, assess the vulnerability of non-critical facilities to damage in natural disasters based on occupancy and structural type, make recommendations on priorities for structural improvements or occupancy reductions, and identify potential funding mechanisms.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
171	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.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
172	Tsunami Public Education	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification on type or platform of public information distribution.
173	Develop a clear legislative and regulatory framework at both the state and local levels to manage the wildland-urban-interface consistent with <i>Fire Wise</i> and sustainable community principles.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
174	Establish a goal for the resumption of local government services that may vary from function to function.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
175	Develop and maintain a system of interoperable communications for first responders from cities, counties, special districts, state, and federal agencies.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
176	Require fire sprinklers in all new or substantially remodeled multifamily housing, regardless of distance from a fire station.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
177	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
178	Establish and enforce regulations concerning new construction (and major improvements to existing structures) within flood zones in order to be in compliance with federal requirements and, thus, be a participant in the Community Rating System of the <i>National Flood Insurance Program</i> .	Unclear/Unactionable Strategy	Yes	Rephrased and included in each municipal annex to address specific capabilities and participation in CRS and NFIP.
179	Install an alert and warning system with outdoor sirens, coordinating them, to the extent possible, with those of neighboring jurisdictions.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.

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180	Require sprinklers in all mixed use development to protect residential uses from fires started in non-residential areas.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
181	Sponsor the formation and training of Community Emergency Response Teams (CERT) training. [Note – these programs go by a variety of names in various cities and areas.]	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
182	Establish and enforce provisions (under subdivision ordinances or other means) 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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
183	Establish regional protocols on how to respond to the NOAA Monterey weather forecasts, such as the identifying types of closures, limits on work that could cause ignitions, and repositioning of suppression forces. A multi-agency coordination of response also helps provide unified messages to the public about how they should respond to these periods of increased fire danger.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
184	Create and maintain an automated system of rain and flood gauges that is web enabled and publicly accessible.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
185	Investigate the use of phone-based warning systems for selected geographic areas.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
186	Develop procedures for the emergency evacuation of areas identified on tsunami evacuation maps as these maps become available.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
187	Encourage hospitals to work with the California Office of Statewide Health Planning and Development (OSHPD) to formalize arrangements with structural engineers to report to the hospital, assess damage, and determine if the buildings can be reoccupied. The program should be similar to San Francisco's Building Occupancy Resumption Program (BORP) that permits owners of buildings to hire qualified structural engineers to create building-specific post-disaster inspection plans and allows these engineers to become automatically deputized as inspectors for these buildings in the event of an earthquake or other disaster. OSHPD, rather than city/county building departments, has the authority and responsibility for the structural integrity of hospital structures.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
188	Promote information sharing among overlapping and neighboring local governments, including cities, counties, and special districts, as well as utilities.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.

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189	Recognize that emergency services is more than the coordination of police and fire response, for it also includes planning activities with providers of water, food, energy, transportation, financial, information, and public health services.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
190	Recognize that a multi-agency approach is needed to mitigate flooding by having flood control districts, cities, counties, and utilities meet at least annually to jointly discuss their a capital improvement programs for most effectively reducing the threat of storm-induced flooding.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
191	As new flood-control projects are completed, request that FEMA revise its flood-insurance rate maps and digital geographic information system data to reflect flood risks as accurately as possible.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
192	Apply floodplain management regulations for development in the floodplain and floodway.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
193	Cooperate with researchers working on government- funded projects to refine information on hazards, for example, by expediting the permit and approval process for installation of seismic arrays, gravity survey instruments, borehole drilling, fault trenching, landslide mapping, flood modeling, and/or damage data collection.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
194	Conduct comprehensive programs to identify and mitigate problems with facility contents, architectural components, and equipment that will prevent critical buildings from being functional after major disasters.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
195	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
196	Establish requirements in zoning ordinances to address hillside development constraints, especially in areas of existing landslides.	Ongoing	yes	Included in list of mitigation alternatives.
197	Encourage the cooperation of utility system providers and cities, counties, and other special districts to develop strong and effective mitigation strategies for infrastructure systems and facilities.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.

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198	Participate in or facilitate adoption of a program to formalize arrangements with structural engineers to report to the district, assess damage, and determine if the buildings can be reoccupied. The program should be similar to San Francisco's Building Occupancy Resumption Program (BORP) that permits owners of buildings to hire qualified structural engineers to create building-specific post-disaster inspection plans and allows these engineers to become automatically deputized as inspectors for these buildings in the event of an earthquake or other disaster. Unlike the buildings of most special districts, however, these plans should be developed with the review and guidance of the Division of the State Architect because this agency has the authority and responsibility for the structural integrity of these structures.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
199	Stay informed of emerging scientific information on the subject of rising sea levels, especially on additional actions that local governments can take to mitigate this hazard.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
200	Monitor the science associated with global warming to be able to act promptly when data become available to warrant special design and engineering of government-owned facilities located in low-lying areas, such as wastewater treatment plants, ports, and airports.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
201	Support and encourage efforts of other (lifeline) agencies as they plan for and arrange financing for seismic retrofits and other disaster mitigation strategies. (For example, a city might pass a resolution in support of a transit agency's retrofit program.)	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
202	Engage in, support, and/or encourage research by others on measures to further strengthen transportation, water, sewer, and power systems so that they are less vulnerable to damage in disasters.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
203	Provide information on hazardous waste disposal and/or drop off locations.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
204	Support and/or facilitate efforts by the California Geological Survey to complete the earthquake-induced landslide and liquefaction mapping for the Bay Area.	Unclear/Unactionable Strategy		Responsibility of state - will work with state, but not a lead
205	Discourage, add additional mitigation strategies, or prevent construction on slopes greater than a set percentage, such as 15%, due to landslide or wildfire hazard concerns.	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.
206	Provide new buffers and preserve existing buffers between development and existing users of large amounts of hazardous materials, such as major industry, due to the potential for catastrophic releases due to an earthquake or terrorism. (Flooding might also result in release or spread of these materials, however it is unlikely.)	Unclear/Unactionable Strategy	No	Unclear action - does not indicate how to achieve the desired result.

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No.	Strategy	Status	Carry forward to new plan?	Comments
207	Encourage replacing aboveground electric and phone wires and other structures with underground facilities, and use the planning-approval process to ensure that all new phone and electrical utility lines are installed underground.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
208	Continue to require that all new commercial and industrial buildings be constructed in compliance with structural requirements of the most recently adopted version of the <i>California Building Code</i> .	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
209	Conduct a watershed analysis of runoff and drainage systems to predict areas of insufficient capacity in the storm drain and natural creek system.	Ongoing	Yes	Included in mitigation alternatives section.
210	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.	Ongoing	Yes	Included in mitigation alternatives section.
211	Require engineered plan sets for retrofitting of heavy two-story homes with living areas over garages, as well as for split level homes, until standard plan sets and construction details become available.	No Progress	No	Not feasible due to political and public backlash.
212	Conduct demonstration projects on common existing housing types demonstrating structural and nonstructural mitigation techniques as community models for earthquake mitigation.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
213	Designate locations for the distribution of antibiotics to large numbers of people should the need arise, as required to be included in each county's Strategic National Stockpile Plan.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
214	Conduct appropriate employee training and support continued education to ensure enforcement of construction standards.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
215	Encourage communication between Cal EMA, FEMA, and utilities related to emergencies occurring outside of the Bay Area that can affect service delivery in the region.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
216	Provide retrofit classes or workshops for homeowners.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
217	Provide financial incentives to owners of applicable homes to retrofit.	Unclear/Unactionable Strategy	no	Unclear strategy - does not answer how financial incentives will be funded.
218	Require engineered plan sets for voluntary or mandatory soft-story retrofits until a standard plan set and construction details become available.	No Progress	No	Not feasible due to political and public backlash.
219	Sponsor the formation and training of Community Emergency Response Teams (CERT) training through partnerships with local businesses. [Note – these programs go by a variety of names in various cities and areas.]	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.

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220	Conduct an inventory of existing or suspected soft-story residential structures.	Ongoing	Yes	Added to list of mitigation alternatives.
221	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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
222	Use the soft-story inventory to require owners to inform all existing tenants that they live in this type of building and the standard to which it may have been retrofitted, as well as require owners to inform tenants that they will live in this type of building prior to signing a lease.	No Progress	No	Not feasible due to political and public backlash.
223	Use the soft-story inventory to require owners to inform all existing tenants that they should be prepared to live elsewhere following an earthquake if the building has not been retrofitted.	No Progress	No	Not feasible due to political and public backlash.
224	Periodically assess the need for new or relocated fire or police stations and other emergency facilities, changes in staffing levels, and additional or updated supplies, equipment, technologies, and in-service training classes.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
225	Maintain the local government's emergency operations center in a fully functional state of readiness.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
226	Maintain and update as necessary the local government's Standardized Emergency Management System Plan.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
227	Accelerate retrofitting of unreinforced masonry structures that have not been retrofitted, for example, by (a) actively working with owners to obtain structural analyses of their buildings, (b) helping owners obtain retrofit funding, (c) adopting a mandatory versus voluntary, retrofit program, and/or (d) applying penalties to owners who show inadequate efforts to upgrade these buildings.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified, just examples.
228	Conduct periodic tests of the alerting and warning system's outdoor sirens no less frequently than once per month.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
229	Adopt one or more of the following strategies as incentives to encourage retrofitting of privately-owned structurally deficient residential buildings: (a) waivers or reductions of permit fees, (b) below-market loans, (c) local tax breaks, (d) grants to cover the cost of retrofitting or of a structural analysis, (e) land use and procedural incentives, or (f) technical assistance.	Unclear/Unactionable Strategy	Yes	Addressed in objective 11.
230	Establish a Fire Hazard Abatement District to fund reduction in fire risk of existing properties through vegetation management that includes reduction of fuel loads, use of defensible space, and fuel breaks.	Unclear/Unactionable Strategy	No	Multi-jurisdiction objective that requires advanced coordination. Not feasible.

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No.	Strategy	Status	Carry forward to new plan?	Comments
231	To reduce flood risk, and thereby reduce the cost of flood insurance to property owners, work to qualify for the highest- feasible rating under the Community Rating System of the National Flood Insurance Program.	Unclear/Unactionable Strategy	Yes	Rephrased and included in each municipal annex to address specific capabilities and participation in CRS and NFIP.
232	Provide sandbags and plastic sheeting to residents in anticipation of rainstorms, and deliver those materials to the disabled and elderly upon request.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
233	Increase efforts to reduce landslides and erosion in existing and future development through continuing education of design professionals on mitigation strategies.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
234	Provide information to residents of your community on the availability of interactive hazard maps showing your community on ABAG's web site.	Ongoing	Yes	Addressed in objective 10.
235	Develop printed materials, utilize existing materials (such as developed by FEMA and the American Red Cross), conduct workshops, and/or provide outreach encouraging residents to have family disaster plans that include drop-cover-hold earthquake drills, fire and storm evacuation procedures, and shelter-in-place emergency guidelines.	Ongoing	Yes	Addressed in objective 10.
236	Develop a public education campaign on the cost, risk, and benefits of earthquake, flood, and other hazard insurance.	Unclear/Unactionable Strategy	Yes	Addressed in objective 10.
237	Use disaster anniversaries, such as April (Earthquake Month and the 1906 earthquake), September (9/11), and October (Loma Prieta earthquake and Oakland Hills fire), to remind the public on safety and security mitigation activities.	Ongoing	Yes	Addressed in objective 10.
238	Include flood fighting technique session based on California Department of Water Resources training to the list of available public training classes offered by CERT.	No Progress	Yes	Addressed in objective 10.
239	Regulate and enforce the location and design of street-address numbers on buildings and minimize the naming of short streets (that are actually driveways) to single homes.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
240	Institute the neighborhood watch block captain and team programs outlined in the Citizen Corps program guide.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
241	Distribute NOAA weather radios to high-risk, limited-income families living in flood hazard areas.	No Progress	Yes	Addressed in objective 10.
242	Effectively utilize the Transportation Management Center (TMC), the staffing of which is provided by Caltrans, the CHP and MTC. The TMC is designed to maximize safety and efficiency throughout the highway system. It includes the Emergency Resource Center (ERC) which was created specifically for primary planning and procedural disaster management.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Existing program - integrated part of operational response structure. Not appropriate mitigation item.

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243	Develop a "Maintain-a-Drain" campaign, similar to that of the City of Oakland, encouraging businesses and residents to keep storm drains in their neighborhood free of debris.	Ongoing	Yes	Addressed in objective 10.
244	Develop and distribute culturally appropriate materials related to disaster mitigation and preparedness, such as those on the http://www.preparenow.org website	Ongoing	Yes	Addressed in objective 10.
245	Conduct an inventory of existing or suspected soft-story commercial and industrial structures.	Ongoing	Yes	Included in mitigation alternatives section.
246	Use the soft-story inventory to require owners to inform all existing tenants that they work in this type of building and the standard to which it may have been retrofitted, as well as require owners to inform tenants that they will work in this type of building prior to signing a lease.	No Progress	No	Not feasible due to political and public backlash.
247	Use the soft-story inventory to require owners to inform all existing tenants that they should be prepared to work elsewhere following an earthquake if the building has not been retrofitted.	No Progress	No	Not feasible due to political and public backlash.
248	Investigate and adopt appropriate financial, procedural, and land use incentives for owners of soft-story buildings to facilitate retrofit.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
249	Require owners to inform all existing tenants that they work in this type of building and the standard to which it may have been retrofitted, as well as require owners to inform tenants that they will work in this type of building prior to signing a lease.	No Progress	No	Not feasible due to political and public backlash.
250	Expedite the funding and retrofit of seismically-deficient city- and county-owned bridges and road structures by working with Caltrans and other appropriate governmental agencies.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification of how to expedite funding.
251	Ensure all dead-end segments of public roads in high hazard areas have at least a "T" intersection turn-around sufficient for typical wildland fire equipment.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No indication on how dead-ends will be assessed.
252	Ensure adequate fire equipment road or fire road access to developed and open space areas.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identified project that assesses adequacy of roads.
253	Require owners to inform all existing tenants that they should be prepared to work elsewhere following an earthquake even if the building has been retrofitted, for it has probably been retrofitted to a life-safety standard, not to a standard that will allow occupancy following major earthquakes.	No Progress	No	Not feasible due to political and public backlash.
254	Inventory non-ductile concrete, tilt-up concrete, and other privately-owned structurally suspicious buildings.	Ongoing	Yes	Included in mitigation alternatives section.

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255	Adopt one or more of the following strategies as incentives to encourage retrofitting of privately-owned structurally suspicious commercial and industrial buildings: (a) waivers or reductions of permit fees, (b) below-market loans, (c) local tax breaks, (d) grants to cover the cost of retrofitting or of a structural analysis, (e) land use and procedural incentives, or (f) technical assistance.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. Examples provided, but not indication of funding mechanism for incentives.ongio
256	Establish a Fire Hazard Abatement District to fund fire-safety inspections of private properties, roving firefighter patrols on high fire-hazard days, and public education efforts.	Unclear/Unactionable Strategy	No	Multi-jurisdiction objective that requires advanced coordination. Not feasible.
257	Compile a list of high-rise and high-occupancy buildings that are deemed, due to their age or construction materials, to be particularly susceptible to fire hazards, and determine an expeditious timeline for the fire-safety inspection of all such structures.	Ongoing	Yes	Added to list of mitigation alternatives.
258	Monitor weather during times of high fire risk using, for example, weather stations tied into police and fire dispatch centers.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
259	Assist, support, and/or encourage the U.S. Army Corp of Engineers, various Flood Control and Water Conservation Districts, and other responsible agencies to locate and maintain funding for the development of flood control projects that have high cost-benefit ratios (such as through the writing of letters of support and/or passing resolutions in support of these efforts).	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified, only examples.
260	Increase local patrolling during periods of high fire weather.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
261	Work with the State Fire Marshall, the California Seismic Safety, PEER, and other experts to identify and manage gas-related fire risks of soft-story mixed use buildings that are prone to collapse and occupant entrapment consistent with the natural gas safety recommendations of Seismic Safety Commission Report SSC-02-03. Note - See http://www.seismic.ca.gov/pub/CSSC_2002-03_Natural%20Gas%20Safety.pdf . Also note - any valves that are installed may need to have both excess flow and seismic triggers ("hybrid" valves).	Unclear/Unactionable Strategy	no	Unclear strategy - does not identify how to achieve desired results.
262	Work with insurance companies to create a public/private partnership to give a discount on fire insurance premiums to "Forester Certified" <i>Fire Wise</i> landscaping and fire-resistant building materials.	Ongoing	Yes	Addressed in objective 10.
263	Provide sandbags and plastic sheeting to businesses in anticipation of rainstorms, and deliver those materials to the disabled and elderly upon request.	Unclear/Unactionable Strategy	no	Unclear strategy - does not identify how to achieve desired results.

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264	Require an annual inspection of approved flood-proofed buildings to ensure that (a) all flood-proofing components will operate properly under flood conditions and (b) all responsible personnel are aware of their duties and responsibilities as described in their building's <i>Flood Emergency Operation Plan</i> and <i>Inspection & Maintenance Plan</i> .	No Progress	No	Not feasible due to political and public backlash.
265	Institute an aggressive program similar to San Francisco's Building Occupancy Resumption Program (BORP). This program permits owners of private buildings to hire qualified structural engineers to create building-specific post-disaster inspection plans and allows these engineers to become automatically deputized as City/County inspectors for these buildings in the event of an earthquake or other disaster.	No Progress	No	Not feasible due to political and public backlash.
266	Work cooperatively with water agencies, flood control districts, Caltrans, and local transportation agencies to determine appropriate performance criteria for watershed analysis.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
267	Work for better cooperation among the patchwork of agencies managing flood control issues.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
268	Participate in FEMA's National Flood Insurance Program.	Ongoing	No	Already participate in NFIP.
269	Allow owners to participate in a BORP-type program as described above, but not actively encourage them to do so.	Unclear/Unactionable Strategy	No	Unclear strategy - allow but not encourage is not actionable.
270	Ensure health care facilities are adequately prepared to care for victims with respiratory problems related to smoke and/or particulate matter inhalation.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
271	Work cooperatively with upstream communities to monitor creek and watercourse flows to predict potential for flooding downstream.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
272	Develop and enforce an ordinance for disaster-damaged structures to ensure that damaged buildings are repaired in an appropriate and timely manner.	Ongoing	yes	Added to list of mitigation alternatives.
273	Assist businesses in the development of defensible space through the use of, for example, "tool libraries" for weed abatement tools, roadside collection and/or chipping services (for brush, weeds, and tree branches) in wildland-urban-interface fire-threatened communities or in areas exposed to high-to-extreme fire threat.	Unclear/Unactionable Strategy	no	Unclear strategy - does not identify how to achieve desired results. Example does not address how programs will be established.

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No.	Strategy	Status	Carry forward to new plan?	Comments
274	Ensure that critical buildings owned or leased by special districts or private utility companies participate in a program similar to San Francisco's Building Occupancy Resumption Program (BORP). The BORP program permits owners of buildings to hire qualified structural engineers[engineers [1] to create facility-specific post-disaster inspection plans and allows these engineers to become automatically deputized as City/County inspectors for these buildings in the event of an earthquake or other disaster. This program allows rapid reoccupancy of the buildings. Note - A qualified structural engineer is a California licensed structural engineer with relevant experience.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
275	Continue to enforce State-mandated requirements, such as the <i>California Environmental Quality Act</i> , to ensure that mitigation activities for hazards, such as vegetation clearance programs for fire threat and seismic retrofits, 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.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
276	Make use of the materials developed by others (such as found on ABAG's web site at http://quake.abag.ca.gov/business) to increase mitigation activities related to earthquakes. ABAG plans to continue to improve the quality of those materials over time.	Unclear/Unactionable Strategy	no	Unclear strategy - does not identify how to achieve desired results.
277	Prior to acquisition of property to be used as a critical facility, conduct a study to ensure the absence of significant hazards.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
278	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.	Ongoing	yes	Added to list of mitigation alternatives.
279	Harden emergency response communications, including, for example, building redundant capacity into public safety alerting and/or answering points, replacing or hardening microwave and simulcast systems, adding digital encryption for programmable radios, and ensuring a plug-and-play capability for amateur radio.	Unclear/Unactionable Strategy	no	Unclear strategy - does not identify how to achieve desired results.
280	Ensure these health care facilities have the capacity to shut off outside air and be self-contained.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
281	Purchase command vehicles for use as mobile command/EOC vehicles if current vehicles are unsuitable or inadequate.	Ongoing	yes	Added to list of mitigation alternatives.
282	Participate in multi-agency efforts to mitigate fire threat, such as the Hills Emergency Forum (in the east Bay), various <i>FireSafe</i> Council programs, and city- utility task forces.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.

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283	Work with major employers and agencies that handle hazardous materials to coordinate mitigation efforts for the possible release of these materials due to a natural disaster such as an earthquake, flood, fire, or landslide.	Ongoing	yes	Addressed in objective 10.
284	Conduct periodic fire-safety inspections of all multi-family buildings, as required by State law.	Ongoing	No	Existing program - integrated part of operational structure. Not appropriate mitigation item.
285	Ensure that hospitals and other major health care facilities have auxiliary water and power sources.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified.
286	Conduct and/or promote attendance at local or regional hazard conferences and workshops for elected officials to educate the officials on the critical need for programs in mitigating earthquake, wildfire, flood, and landslide hazards.	Ongoing	yes	Addressed in objective 10.
287	Assess the vulnerability of critical education facilities to damage in natural disasters and make recommendations for appropriate mitigation.	Ongoing	yes	Addressed in objective 4.
288	Provide materials to the public related to planning for power outages.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification on type or platform of public information distribution.
289	Retrofit or replace critical education facilities that are shown to be vulnerable to damage in natural disasters.	Ongoing	yes	Addressed in objective 11.
290	Develop and implement a comprehensive program for watershed maintenance, optimizing forest health with water yield to balance water supply, flooding, fire, and erosion concerns.	Ongoing	yes	Addressed in objective 5.
291	Promote and maintain the public-private partnerships dedicated to preventing the introduction of agricultural pests into regionally-significant crops, such as the glassy-winged sharpshooter into vineyards.	No Progress	No	Secondary hazard not addressed in 2016 plan
292	Provide materials to the public related to family and personal planning for delays due to traffic or road closures.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification on type or platform of public information distribution.
293	Remove septic tanks and other sources of contamination adjacent to economically-significant aquacultural and agricultural resources.	No Progress	No	Secondary hazard not addressed in 2016 plan
294	Establish and enforce provisions under the creek protection, storm water management, and discharge control ordinances designed to control erosion and sedimentation.	Ongoing	Yes	Included in mitigation alternatives section.
295	Prioritize retrofit of infrastructure that serves urban areas over constructing new infrastructure to serve outlying areas.	Unclear/Unactionable Strategy	Yes	Addressed in objective 11.
296	Work to retrofit homes in older areas to provide safe housing close to job centers.	Unclear/Unactionable Strategy	Yes	Addressed in objective 11.

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297	Provide materials to the public related to coping with reductions in water supply or contamination of that supply.	Unclear/Unactionable Strategy	No	Unactionable strategy - no specific action identified. No identification on type or platform of public information distribution.
298	Work to retrofit older downtown areas to protect architectural diversity and promote disaster- resistance.	Unclear/Unactionable Strategy	Yes	Addressed in objective 11.



APPENDIX F

FEMA Plan Review Tool





APPENDIX G

Plan Adoption Resolutions

