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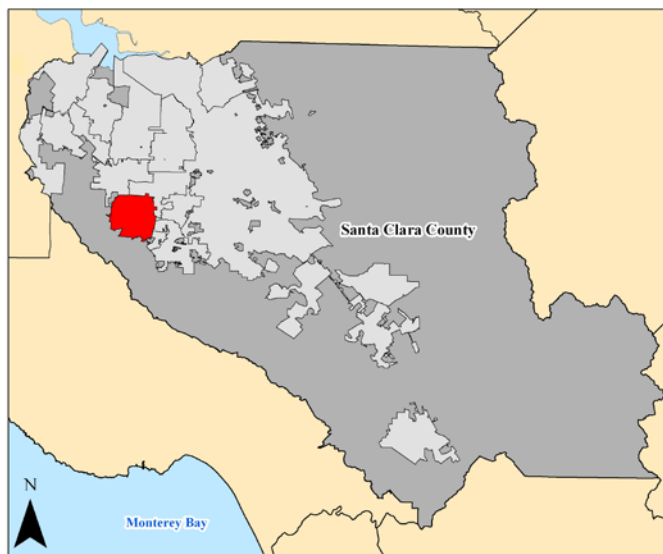
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SECTION 21 CITY OF SARATOGA

21.1 INTRODUCTION

This City of Saratoga Annex serves as an annex to the Santa Clara County Local Hazard Mitigation Plan which is an annex to the 2010 Association of Bay Area Local Hazard Mitigation Plan, *Taming Natural Disasters*. Pursuant to the Disaster Mitigation Act of 2000, the City Council adopted this annex on February 15, 2012.

This annex is an update to the City's annex to the 2005 Association of Bay Area Local Hazard Mitigation Plan, *Taming Natural Disasters*, as adopted on April 4, 2007.



The City of Saratoga is a small-sized city, located in the western region of Santa Clara County, California. The City has a population of 29,843 people, based on the 2000 census. For the Fiscal Year 2010/2011, the City's total general fund budget is approximately \$15 million. The City employs 54 full time equivalents with additional temporary and seasonal workers. Law enforcement services are provided under contract with the Santa Clara County Sheriff's Office, and fire services are provided by the combined Santa Clara County Fire Department and the Saratoga Fire Protection District.

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RESOLUTION NO. 07-020

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SARATOGA
APPROVING THE ABAG REPORT "TAMING NATURAL DISASTERS"
AS THE CITY OF SARATOGA'S LOCAL HAZARD MITIGATION PLAN**

WHEREAS, the Bay Area is subject to various earthquake-related hazards such as ground shaking, liquefaction, landsliding, fault surface rupture, and tsunamis; and

WHEREAS, the Bay Area is subject to various weather-related hazards including wildfires, floods, and landslides; and

WHEREAS, the City of Saratoga recognizes that disasters do not recognize city, county, or special district boundaries; and

WHEREAS, the City of Saratoga seeks to maintain and enhance both a disaster-resistant City and region by reducing the potential loss of life, property damage, and environmental degradation from natural disasters, while accelerating economic recovery from those disasters; and

WHEREAS, the City is committed to increasing the disaster resistance of the infrastructure, health, housing, economy, government services, education, environment, and land use systems in the City, as well as in the Bay Area as a whole; and

WHEREAS, the federal Disaster Mitigation Act of 2000 requires all cities, counties, and special districts to have adopted a Local Hazard Mitigation Plan to receive disaster mitigation funding from FEMA; and

WHEREAS, ABAG has approved and adopted the ABAG report "*Taming Natural Disasters*" as the multi-jurisdictional Local Hazard Mitigation Plan for the San Francisco Bay Area;

NOW, THEREFORE, BE IT RESOLVED that the City of Saratoga adopts, and adapts with its local annex, this multi-jurisdictional plan as its Local Hazard Mitigation Plan.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the City of Saratoga commits to continuing to take those actions and initiating further actions, as appropriate, as identified in the City Annex of that multi-jurisdictional Local Hazard Mitigation Plan.

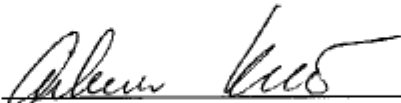
The above and foregoing resolution was approved and adopted by the City Council of the City of Saratoga on the 4th day of April 2007 by the following vote:

AYES: Councilmembers Jill Hunter, Kathleen King, Chuck Page,
Vice Mayor Ann Waltonsmith, Mayor Aileen Kao

NOES: None


ABSTAIN: None

ABSENT: None



Aileen Kao, Mayor

ATTEST:



Cathleen Boyer, City Clerk

RESOLUTION 12-010

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SARATOGA
APPROVING THE CITY OF SARATOGA ANNEX TO THE SANTA CLARA COUNTY
ANNEX TO THE 2010 ABAG REPORT "TAMING NATURAL DISASTERS" AS THE
CITY OF SARATOGA'S LOCAL HAZARD MITIGATION PLAN**

WHEREAS, the Bay Area is subject to various earthquake-related hazards such as ground shaking, liquefaction, landsliding, fault surface rupture, and tsunamis; and

WHEREAS, the Bay Area is subject to various weather-related hazards including wildfires, floods, and landslides; and

WHEREAS, the City of Saratoga recognizes that disasters do not recognize city, county, or special district boundaries; and

WHEREAS, the City seeks to maintain and enhance both a disaster-resistant City and region by reducing the potential loss of life, property damage, and environmental degradation from natural disasters, while accelerating economic recovery from those disasters; and

WHEREAS, the City of Saratoga is committed to increasing the disaster resistance of the infrastructure, health, housing, economy, government services, education, environment, and land use systems in the City, as well as in the Bay Area as a whole; and

WHEREAS, the federal Disaster Mitigation Act of 2000 requires all cities, counties, and special districts to have adopted a Local Hazard Mitigation Plan to receive disaster mitigation funding from FEMA; and

WHEREAS, ABAG has approved and adopted the ABAG report "Taming Natural Disasters" as the multi-jurisdictional Local Hazard Mitigation Plan for the San Francisco Bay Area;

NOW, THEREFORE, BE IT RESOLVED that the City adopts, and adopts with its local annex, this multi-jurisdictional plan as its Local Hazard Mitigation Plan.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the City commits to continuing to take those actions and initiating further actions, as appropriate, as identified in the City of Saratoga Annex to the County of Santa Clara Annex of that multi-jurisdictional Local Hazard Mitigation Plan and will consider including the mitigation strategies as the Implementation Appendix of the Safety Element of its General Plan during the Safety Element update process now underway and expected to be completed by December 2014.

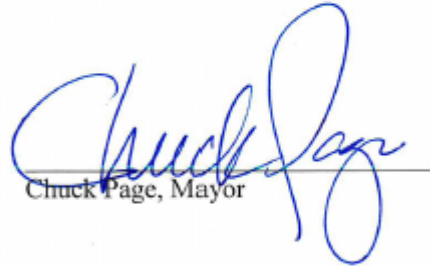
The above and foregoing resolution was passed and adopted at a regular meeting of the Saratoga City Council held on the 15th day of February 2012 by the following vote:

AYES: Council Member Manny Cappello, Emily Lo, Howard Miller, Vice Mayor Jill Hunter, Mayor Chuck Page

NOES: None

ABSENT: None

ABSTAIN: None



Chuck Page, Mayor

ATTEST:


Crystal Morrow, City Clerk

DATE: 2/23/2012

21.2 INTERNAL PLANNING PROCESS

The City of Saratoga participated in the regional planning process coordinated by ABAG and the local planning process coordinated by Santa Clara County OES as noted in Section 3 of this plan. The City of Saratoga participated in one City/County workshop sponsored by ABAG, as it was most relevant to the City's size and operations.

For more information on meetings held by ABAG and for rosters of attendees, please see Appendix A and H in the ABAG Multi-Jurisdictional Local Hazard Mitigation Plan 2010 (MJ-LHMP). In addition, the City of Saratoga has provided written and oral comments on the multi-jurisdictional plan and provided information on critical facilities to ABAG.

Barbara Powell, Assistant City Manager, served as the City's representative and lead for completing this annex. Supported by Jim Yoke, Emergency Services Coordinator, the City was represented at Local Planning Team meetings #1, #2, and #3. Barbara and Jim performed internal reviews and collaboration in order to provide all of the required information for development of this annex.

Contact information: bpowell@saratoga.ca.us, 408.868.1215

Key staff met to identify and prioritize mitigation strategies appropriate for the City. Staff members involved in these meetings included the Community Development Director, Building Official, Public Works Director and Assistant City Manager. Representatives from the Santa Clara County Sheriff's Office, Santa Clara County Fire Department and Saratoga Fire Protection District were also present.

The City of Saratoga's internal planning team included the following individuals:

- Barbara Powell, Assistant City Manager
- Jim Yoke, Emergency Services Coordinator
- John Cherbone, Public Works Director
- John Livingstone, Community Development Director
- Brad Lind, Building Official

Public Outreach

The City provided the opportunity for the public to comment on the draft mitigation strategies selected by City staff at the City Council meeting on November 4, 2009. The meeting is streamed live on the City of Saratoga website and the draft mitigation strategies were available on the City website. No public comments were received from either the meeting or the internet posting. A copy of the meeting minutes are included in Saratoga Attachment 1: Outreach Materials.

The City Council will adopt the plan in a public meeting via an official Resolution upon approval by FEMA. During the next update of the Seismic Safety and Safety Element of the City of Saratoga's General Plan the relevant mitigation strategies will be incorporated as an implementation appendix.

The City of Saratoga notified residents and businesses of the hazard mitigation planning process by posting an announcement regarding the public opportunity to respond to the online survey discussed in Section 3.2.6 in the County Annex. A copy of the survey is included in County Attachment 7: Survey Outreach Materials, found in Section 9.7. The following media was utilized:

- City Website (<http://www.saratoga.ca.us/>)

Copies of the City’s outreach materials are included in Section 21.7, Saratoga Attachment 1: Outreach Materials.

Survey Results

On November 1, 2010, the Local Planning Team released an online survey to solicit public input regarding concerns for hazard risk. The Local Planning Team also used this survey to gauge the level of public preparedness for emergencies. The survey responses received from the City of Saratoga residents are summarized below:

1. 28 out of 541 survey respondents were from the City of Saratoga.
2. Respondents were asked which five hazards, out of the 31 hazards the LPT identified, are of most concern to their neighborhood or home. Below are responses from the City of Saratoga (in order of most responses):

Table 21-1: Hazards of Most Concern

Hazard	Number of Responses
Infrastructure: Water System Disruption (no potable water)	19
Infrastructure: Electrical System Disruption (no power)	18
Earthquake: Ground Shaking	17
Infrastructure: Wastewater System Disruption (sewer backup)	12
Infrastructure: Telecommunication System Disruption (no phone / cell service)	10
Wildfire	10
Earthquake: Surface Rupture	9
Infrastructure: Energy System Disruption (no gas)	8
Earthquake: Liquefaction	6
Disease and Outbreak	5
Infrastructure: Transportation Disruption (blocked roads / failed bridges)	5
Drought	4
Additional Hazard *	4
Earthquake: Landslides	2

Hazard	Number of Responses
Hazardous Materials Spills (chemical/biological)	2
Landslide and Debris flow	2
Agricultural Pests and Diseases	1
Dam Failure	1
Expansive Soils	1
Flood	1
Heat (extreme heat)	1
Land Subsidence (soil compaction due to subsurface water removal)	1
Bay Area Silting	0
Delta Levee Failure	0
Freeze	0
Hailstorm	0
Solar Storm	0
Thunder/Lightning Storms	0
Tornado	0
Tsunami	0
Volcano	0
Wind (high winds)	0

* Respondents noted the following additional hazards: bomb threat, air pollution, and electromagnetic pulse attack

3. Respondents were asked if a severe hazard event occurred today, such that all services were cut off from their home and they were unable to leave or access a store for 72 hours, which items they would have readily available. Below is a summary of responses from the City of Saratoga respondents:

Table 21-2: Items Readily Available to Respondents

Item that is Readily Available	Responses
Flashlight (with batteries)	28
Blanket(s)	27
First Aid Kit	24
Canned / Non-perishable Foods (ready to eat)	21
Portable AM/FM Radio (solar powered, hand crank, or batteries)	21
Potable Water (3 gallons per person)	20
Extra Medications	16
Cash	14
Handheld "Walkie-Talkie" Radios (with batteries)	12

Item that is Readily Available	Responses
Important Family Photos/Documentation in a water and fire proof container	8
What else is in your emergency kit? *	7

* Respondents noted the following additional items in their emergency kits: stove, water filter, emergency rescue equipment, HAM radio, tent, bedding, tarps, lanterns, medical supplies, pet food, water purifying tablets, clothing, fire wood, camping equipment, fire extinguisher, and tools

4. Respondents were asked if they were familiar with the special needs of their neighbors in the event of a disaster situation.

- 18, or **64.3%** of respondents, answered that they **are not** familiar with the special needs of their neighbors.
- 10, or **35.7%** of respondents, answered that they **are** familiar with the special needs of their neighbors.

5. Respondents were asked if they are trained members of their Community Emergency Response Team (CERT).

- 16, or **61.5%** of respondents, indicated that they **are part of CERT**.
- 3, or **11.5%** of respondents, indicated that they are not part of CERT, but **would like to learn more about CERT**.
- 7, or **26.9%** of respondents, indicated that they are not part of CERT and **are not interested** in being a trained CERT member.
- 2 respondents skipped this question.

Respondents were asked to share why they are a trained CERT member or why they are not part of CERT. The received responses are listed below:

- Going to attend CERT academy starting in February 2011. I am the co-coordinator of Saratoga MRC now.
- I felt it was important to know and prepare for disaster, living in an area where it could strike anytime
- My husband is trained through his employment and we have offered to be more involved in our neighborhood.
- I wanted to help my family, then neighbors in the event of an earthquake. I was an RN in the ER.
- I want to be able to help out our neighborhood and the community if disaster strikes.
- I initially took the training to help my family. Now, in addition, I want to help my neighbors in the event of an emergency.
- I have two small kids and no extra time.
- Was in CERT, but left because I wasn't happy about the way it was being run.

6. Respondents were asked what is the most important thing local government can do to help communities be more prepared for a disaster. The following summarizes the 24 responses received:

- **Citizen/City training and education**
- **Seismic warning systems**
- **Have each community start a local food bank**
- **Raise awareness about CERT**
- **Community outreach describing disaster preparedness**
- **Ensure disaster communication systems and warnings**
- **Help residents purchase disaster preparedness kits/supplies**
- **Maintain road infrastructure**

7. Respondents were asked if they live in an apartment building or home with a living space above a garage or parking area.

- 25, or **89.3%** of respondents indicated that they **do not** live in an apartment or home with living space above a garage or parking area.
- 3, or **10.7%** of respondents, indicated that they **do** live in an apartment building or home with living space above a garage or parking area.

Those respondents who indicated that they do live in an apartment building or home with living space above the garage or parking area were asked to describe their level of concern for the building to collapse in a large earthquake event. 2 respondents indicated “Moderate Concern”.

8. Respondents who are homeowners were asked if they have adequate homeowners insurance to cover the hazards that could impact their home. Below is a summary of responses:

Table 21-3: Adequate Homeowners Insurance

Answer	Responses
Yes, my insurance coverage should be adequate	20
No, I don't believe my insurance coverage would be adequate for a major disaster	6
Unsure	0
I do not have an insurance policy	0
Not applicable, I rent my current residence	2

9. Respondents were asked if they have earthquake insurance. Below is a summary of responses:

Table 21-4: Earthquake Insurance

Answer	Responses
Yes, I own my home and have earthquake insurance.	7
Yes, I rent my home and have earthquake insurance.	0

Answer	Responses
No, but I am interested in reviewing earthquake insurance options.	1
No, earthquake insurance is too expensive.	17
No, I do not need earthquake insurance.	2

10. Respondents were asked if they have flood insurance. Below is a summary of responses:

Table 21-5: Flood Insurance

Answer	Responses
Yes, I own my home and have flood insurance.	4
Yes, I rent my home and have flood insurance.	0
No, but I am interested in reviewing flood insurance options.	4
No, I do not need flood insurance	20

11. Respondents indicated the following as additional insurance listed for their home or property:

- **Fire**
- **Homeowners**
- **Umbrella**
- **Liability**
- **Property**

12. Respondents were asked what they are doing to their property or within their home to reduce future damage from the hazards identified above. Below is a summary of responses:

Table 21-6: Property Changes to Reduce Future Damage from Hazards

Property Mitigation	Responses
Roof retrofit using fire resistant material	10
Seismic retrofit of the structure and/or foundation	8
Defensible space landscaping (clear vegetation around house to reduce wildfire risk)	8
Installed backflow prevention device(s)	6
Strengthened openings to reduce high hazard wind risk	3
Other *	2
House elevation or first floor modification to prevent flood damage	1

*The responses to “Other” were: “Secure fall over hazards, put child latches on cupboards” and “New home”

13. Respondents were asked if they work in Santa Clara County.

- 21, or **75%** of respondents, indicated that they **do** work in Santa Clara County.
- 7, or **25%** of respondents, indicated that they **do not** work in Santa Clara County.

14. Respondents were asked if their place of work is in an area susceptible to natural hazards. Below is a list of natural hazards and responses from survey respondents:

Table 21-7: Place of Work in Hazard Areas

Natural Hazard	Response
Earthquake fault zone	12
I don't know	6
Other *	5
Wildland urban interface (wildfire risk area)	3
High-risk flood zone	1
Liquefaction zone	1
Landslide risk area	0

* The responses to “Other” were: “Retired” and “There is a power relay station next door. Also, we are near the airport.”

15. Respondents were asked if their employer has a plan for disaster recovery in place.

- 11, or **52.4%** of respondents, **indicated that their employer does have a disaster recovery plan in place.**
- 4, or **19%** of the respondents, **indicated that their employer does not have a disaster recovery plan in place.**
- 6 respondents were **unsure** if their employer has a disaster recovery plan in place.
- 7 respondents skipped this question.

16. Respondents were asked if their employer has a workforce communications plan to implement following a disaster so they may contact their employees.

- 12, or **57.1%** of respondents indicated that their **employer does** have a workforce communications plan.
- 5, or **23.8%** of respondents indicated that their **employer does not** have a workforce communications plan.
- 4, or **19%** of respondents indicated that they are **unsure** if their employer has a workforce communications plan.
- 7 respondents skipped this question.

17. Respondents were asked to list any studies that they are aware of being conducted within their community or the county regarding the risk to future hazard events. There were no responses to this question.

18. Respondents were asked what recommendations they have for Santa Clara County and the incorporated cities to improve identification, prioritization, and implementation of actions intended to reduce future damage and increase resiliency. The following recommendations were received:

- Retrofit infrastructure
- Improve communications during a disaster
- Put power, cable, and phone lines underground
- Come up with an evacuation plan so the highways are not clogged

19. Respondents were asked to recommend any companies or local associations that should be involved in the Santa Clara County hazard mitigation planning process. The recommended organizations are listed below and were given the opportunity to review the draft plan as noted in the following section.

- Santa Clara County Health Department
- Kaiser Santa Clara and Kaiser San Jose

20. Respondents were asked if they would like to review and comment on a draft of their jurisdictions annex to the Multi-Jurisdictional Multi-Hazard Mitigation Plan.

- 9, or **37.5%** of respondents **said they would** like to review and comment on the draft plan.
- 15, or **62.5%** of respondents **said they would not** like to review and comment on the plan draft.
- 4 respondents skipped this question.

Seven respondents who said they would like to review and comment on the draft plan included their contact information and were given the opportunity to review the draft plan as noted in the following section.

21. Respondents were asked to provide any additional comments/suggestions/questions. The responses are summarized below:

- **We should plan for an Electromagnetic Pulse attack. See, http://www.onesecondafter.com/pb/wp_d10e87d9/wp_d10e87d9.html.**

Review Opportunities

A review draft of this plan was submitted to Cal EMA on April 11, 2011 and subsequently forwarded to FEMA for review and comment regarding compliance with the Disaster Mitigation Act of 2000. During this time the review draft was available for public review on the websites of the Santa Clara County Office of Emergency Services and the Association of Bay Area Governments. Additionally, the City posted a notification on the City's website regarding the availability of the plan for public review. The review draft was emailed to members of the public who expressed interest in their online survey responses. No comments were received on the review draft.

Copies of the website posting and email notification are included in Section 21.7, Saratoga Attachment 1: Outreach Materials.

21.3 CAPABILITY ASSESSMENT

21.3.1 Mitigation Progress

21.3.1.1 Strategy Ranking

The City of Saratoga participated in ABAG’s revision of the regional strategies for development of this annex. Appendix G of Taming Natural Hazards presents a summary list of mitigation strategies with regional priorities and the hazards mitigated.

The City ranked those strategies in a spreadsheet provided by ABAG using the following scale:

- Existing Program
- Existing Program, Underfunded
- Very High – Unofficial Program – Becomes Official on Plan Adoption, No Funding Needed
- High – Actively Looking for Funding
- Moderate
- Under Study
- Not Applicable, Not Appropriate, or Not Cost Effective
- Not Yet Considered

Results of this ranking may be viewed online at <http://www.abag.ca.gov/bayarea/eqmaps/mitigation/strategy.html>. A summary of these rankings is presented in Saratoga Attachment 2: Saratoga Strategies 2010, in Section 20.7.

The countywide Local Planning Team reviewed the priorities as ranked by the participating Santa Clara County jurisdictions to determine the operational area goals and objectives. The City of Saratoga’s primary objectives are to minimize risk to earthquake, wildfire, and flood. New mitigation actions the City of Saratoga has identified are discussed in Section 21.5.

21.3.1.2 Evaluation of Progress from 2005 Plan

Section	Sub-section	Mitigation
INFR-a-Multihazard	8) 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.	The City purchased and installed two emergency generators for buildings that did not previously have back-up power.
INFR –d – Flooding	5) Pursue funding for the design and construction of storm drainage	In fiscal year 2010/11, the Santa Clara

Section	Sub-section	Mitigation
	projects to protect vulnerable properties, including property acquisitions, upstream storage such as detention basins, and channel widening with the associated right-of-way acquisitions, relocations, and environmental mitigations	Valley Water District is undertaking a project to prevent flooding in the Calabazas Creek area, which will protect homes, business and schools in parts of Saratoga.
INFR-g- Public Education	5) 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	In fiscal year 2009/10, the City of Saratoga implemented a new website with a “news” feature. We have regularly been posting public education materials and notices on the website.
HEAL – b – Ancillary Health- Related Facilities GOVT – c – Participate in National, State, Multi- jurisdictional and Professional Society Efforts to Identify and Mitigate Hazards	3) Encourage these facility operators to create, maintain, and/or continue partnerships with local governments to develop response and recovery plans. 2) 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.	In fiscal year 2009/10, the City of Saratoga held a disaster preparedness table top exercise in which City staff, and representatives from two Fire Districts, the Red Cross, Water system operators and several ancillary health facilities participated.

21.3.2 Staff and Organizational Capabilities

21.3.2.1 Departmental Responsibilities

The City of Saratoga operates several departments with capabilities for implementing hazard mitigation strategies. These departments and their roles and responsibilities are summarized in the following table.

Table 21-8: Key Departments in the City of Saratoga

Key Departments in the City of Saratoga
Departments
<ul style="list-style-type: none"> • Administrative Services This department has responsibility for the general financial management of the City. • City Manager’s Office The 5-member City Council provides overall policy direction, with the City Manager responsible for implementing adopted City policies. The City Manager’s office oversees the following tasks: (Note: those related to hazard mitigation are highlighted) <ul style="list-style-type: none"> ○ Animal control, under contract with the City of San Jose ○ Cable television ○ Community and intergovernmental relations ○ Community relations and communications with other government entities ○ Emergency preparedness ○ Human resources ○ Police services under contract with Santa Clara County ○ Risk management ○ Solid waste and recycling ○ Volunteer services • Community Development The Community Development Department encompasses the Planning, Arborist, Building and Code Enforcement Divisions. <ul style="list-style-type: none"> ○ Planning The primary responsibility of the Planning Division is Zoning Administration. Zoning Administration encompasses all aspects of land development review, including: keeping the City's Subdivision and Zoning Ordinances current and effective; meeting and consulting with potential applicants regarding the development review process; reviewing development proposals for consistency with the City's Plans and Ordinances and forwarding recommendations to the Planning Commission and City Council; plan-checking approved projects and following through with on-site inspections; considering annexation requests, and; analyzing County projects within the City's Sphere of Influence for consistency with the City's Plans and Ordinances. The Planning Division also includes Advance Planning responsibilities for planning assignments. ○ Arborist Not specifically related to hazard mitigation. ○ Building and Code Enforcement

The Building Inspection Division is responsible for administering the Uniform Building Code requirements, both through the plan-checking and on-site inspection process. The Code Enforcement Division is responsible for enforcing the Municipal Code and for administering both special business license and event permit requirements and parking fine and false alarm collections.

- **Public Works**

Public Works oversees three divisions - Engineering, Streets, and Parks.

- **Engineering**

Reviews and manages construction of capital projects and the public's development plans for engineering and geological oversight, and ensures the City's environmental responsibilities are fulfilled

- **Streets**

Maintains the roadway systems, including streets, signals, lighting, and storm drains

- **Parks**

Maintains the City's parks, trails, medians, right-of-ways, landscape districts and City Hall

- **Recreation & Facilities**

This Department creates community through programs, camps, classes, teen events, facility rentals, & theatre management.

With a clear hazard mitigation strategy, as outlined in this Local Hazard Mitigation Plan, the City's departments are able to implement their ongoing policies and programs with consideration of the identified hazard risks. In addition, these departments become aware of priority mitigation actions and can offer resources (financial or staffing) to assist with the implementation of those actions.

21.3.2.2 Technical Capability

For a successful mitigation program, it is necessary to have a diverse breadth of staff and technical capabilities. Planners, engineers, building inspectors, emergency managers, floodplain managers, people familiar with Geographic Information Systems (GIS), and grant writers are all essential to implementing mitigation actions. The following table summarizes the staffing capabilities available within the City of Saratoga.

Table 21-9: Technical Capability Matrix

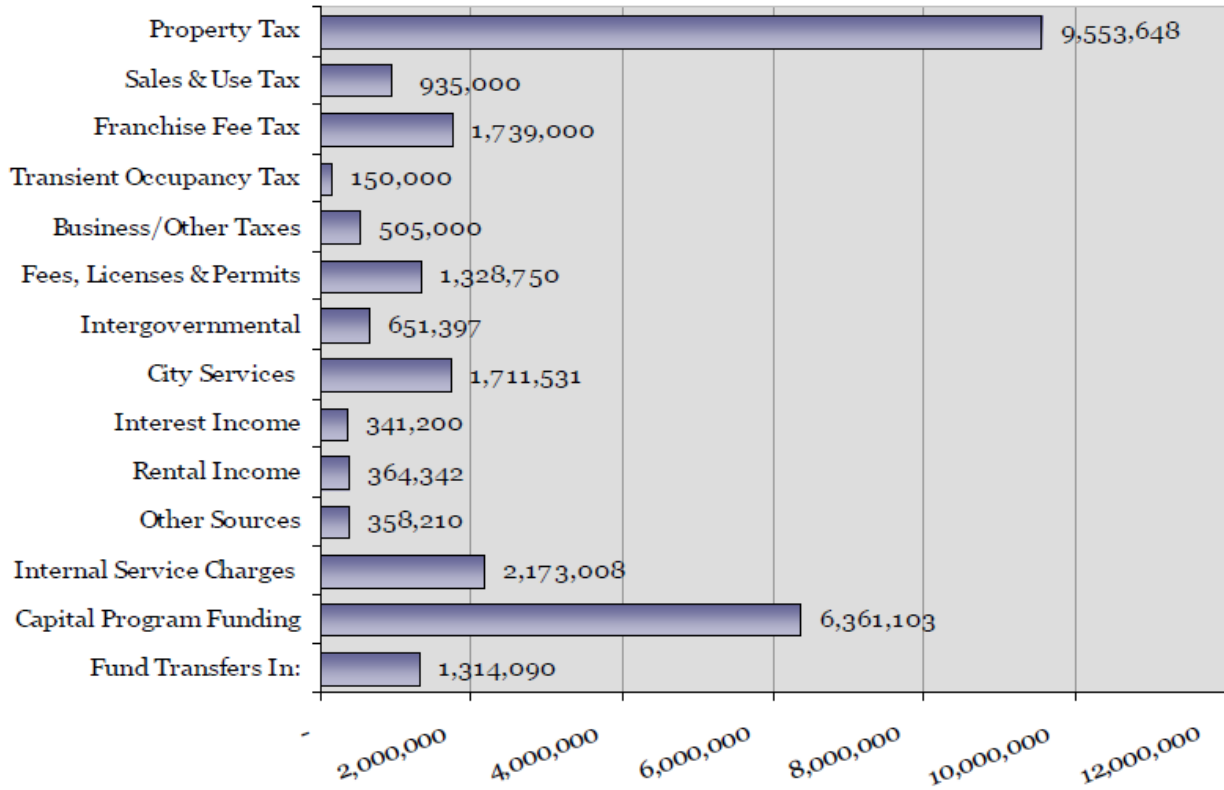
Technical Capability Matrix	
<i>Land Use Planners</i>	Community Development
<i>Emergency manager</i>	City Manager's Office
<i>Civil or Building Engineers</i>	Public Works
<i>Floodplain manager</i>	Public Works
<i>Staff knowledgeable about hazards</i>	City Manager's Office
<i>GIS staff</i>	Public Works
<i>Grant writers</i>	City Manager's Office; Public Works

21.3.2.3 Fiscal Capability

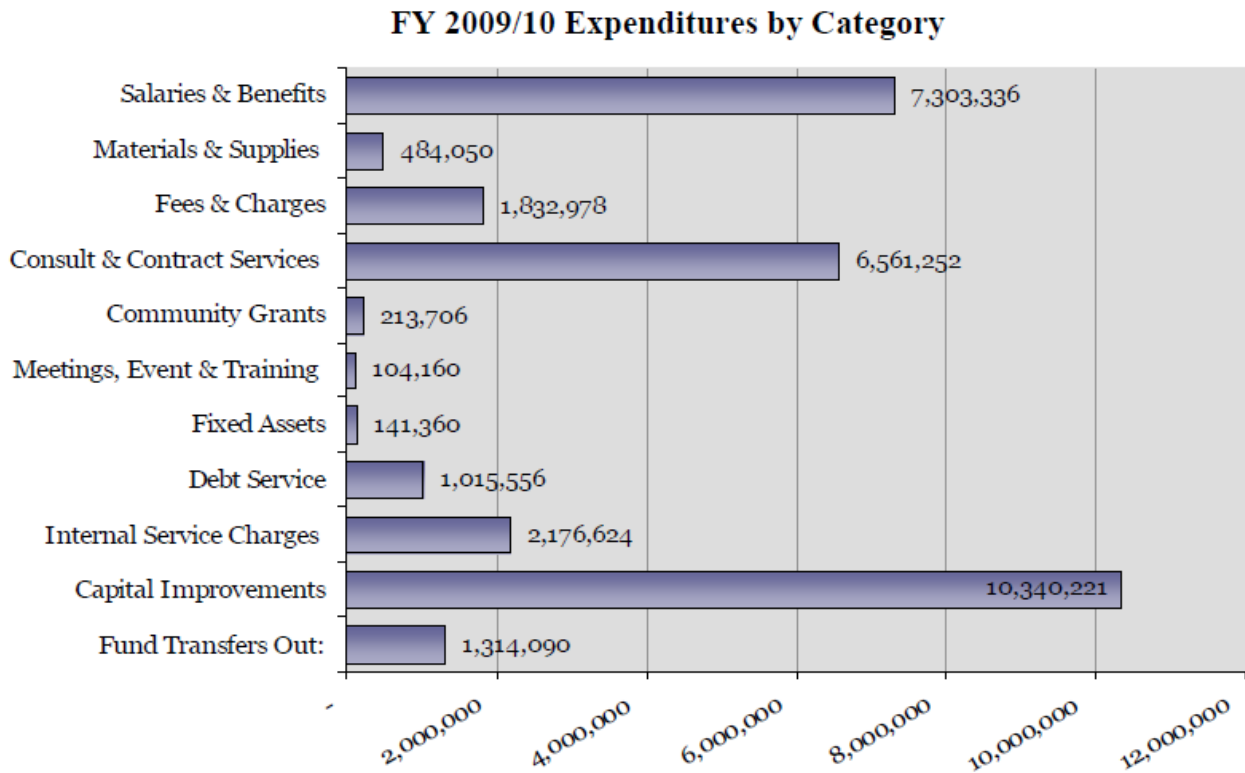
The following summarizes Saratoga's fiscal capabilities in terms of the City's financial resources and allocated spending. Property Tax and Capital Program Funding are the primary sources of Saratoga's financial resources. The City has allocated the majority of financial resources to Salaries & Benefits, Consultant & Contract Services, and Capital Improvements. These three categories are all relevant for implementing hazard mitigation actions.

TOTAL REVENUES & TRANSFERS IN BY CATEGORY

FY 2009/10 Revenues by Category



**TOTAL EXPENDITURES & TRANSFERS OUT
BY CATEGORY**

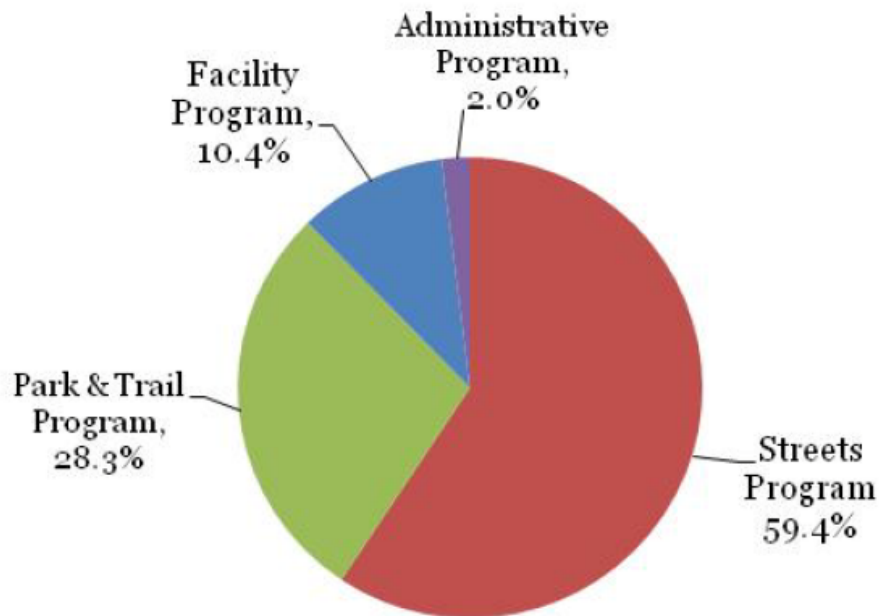


The funding values in the table below, along with the pie chart, are summarized from the City of Saratoga Capital Improvements Plan. The hazard mitigation strategy as outlined in this Local Hazard Mitigation Plan may be implemented as funding and staff resources allow.

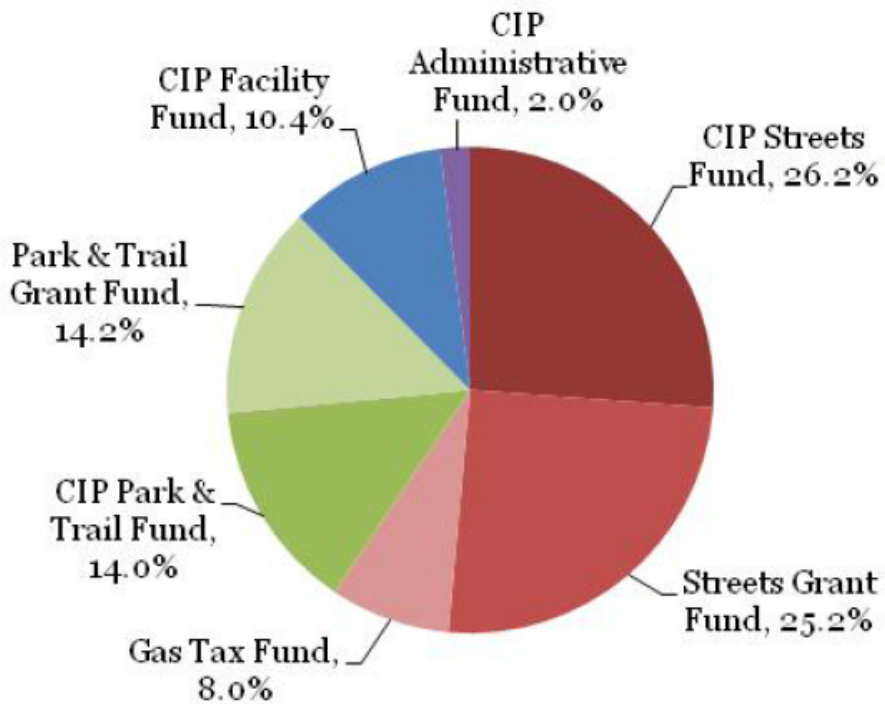
Table 21-10: Capital Improvements Spending

Capital Improvements Spending					
<i>Jurisdiction</i>	<i>Streets Program</i>	<i>Parks & Trails Program</i>	<i>Facility Program</i>	<i>Administrative improvement Program</i>	<i>Total Budget</i>
<i>City of Saratoga</i>	6,605,289	3,146,220	1,153,969	219,773	11,125,251

CAPITAL PROGRAM BUDGET BY PROJECT CATEGORY



CAPITAL PROGRAM BUDGET BY FUND



21.3.2.4 Policy or Program Capability

The City of Saratoga has several plans and ordinances in place which provide ample opportunities for implementing the hazard mitigation strategy outlined in this plan.

21.3.2.4.1 Summary of Plans that Support Hazard Mitigation

Emergency Operations Plan

The City of Saratoga's Emergency Operations Plan (EOP):

- identifies hazards that exist in Saratoga and the likelihood that they will occur in the City,
- outlines the strengths and weaknesses of the municipality in its preparedness activities, and,
- guides the City and agencies through a response to any emergency and through the recovery process of a disaster.

Two purposes of Saratoga's emergency plan are to enhance the development of Local Hazard Mitigation Planning on an ongoing basis and to support collaboration efforts between municipal staff and external partners such as fire services, law enforcement, utility organizations, colleges, community groups, and volunteers. The plan is designed to address the needs of all people located in Saratoga when a disaster happens. An outline of the EOP as it relates to hazard mitigation is provided below.

Hazard Analysis- The EOP ranks hazards by their likelihood to occur in Saratoga and the severity of the hazard if it were to occur. The hazards listed in the EOP include: aviation disaster, civil disturbance, earthquake, extreme weather/storm, floods, landslides, HAZMAT, heat wave, public health emergency, terrorism, transportation-highway, wildfire/forest fire.

Prevention & Mitigation- The EOP lists hazard specific mitigation actions to take in order to reduce the severity of damage that may result from the hazards listed above. The hazards and the hazard specific mitigation actions are listed below.

1. Earthquake
 - Inspect all structures for non-structural hazards and mitigate them
 - Provide Personal Emergency Preparedness training to City employees and volunteer responders
 - Continue community education efforts
2. Wildfire
 - Promote approved messages about fire safety and vegetation management in vulnerable areas
 - Perform specific weed and brush abatement actions per City Council resolution

3. Flood
 - Regularly inspect storm drains and keep clean
4. Heat Wave
 - Supervisors of City employees must ensure that employees receive sufficient breaks and water if working outdoors
 - Cooling centers are promoted to the public
5. Public Health Hazards
 - During outbreaks of contagious disease follow directions from the County Public Health Department
 - Encourage social distancing and proper hygiene
 - Ill employees must be sent home or to medical care
 - Increase the availability of public education campaigns
 - Encourage school surveillance processes
6. Hazardous Materials
 - Encourage familiarity with MSDS binders in the workplace
 - Train staff to store, use, and dispose of hazardous materials properly
 - Promote safe disposal of hazardous materials in the community
 - Promote education in large population buildings, shopping centers and schools regarding the Shelter in Place protocol for hazardous materials emergencies
7. Terrorism
 - Train staff to recognize suspicious packages and/or boxes, particularly those who process the mail.
 - Train residents to be aware of the surroundings and to be willing to report suspicious activity to the Sheriff's Office

Preparedness- The Preparedness section of the EOP details the City of Saratoga emergency organization, including the role of the Disaster Council, City Council, Mayor, and Director of Emergency Services. The plan also details the organization and roles of other City agencies and volunteers working in the field and at emergency operations centers. The organization and role of Santa Clara County, the State of California, and federal agencies is also documented in this plan. The Preparedness section also provides brief explanations of other hazard mitigation related documents; such as a Heat Wave Plan, Local Hazard Mitigation Plan, Saratoga Community Emergency Response Team (CERT) Operations Plan and Communications Plan, Point of Distribution Plan, Terrorism/WMD Plan, and a Volunteer Management Plan. Preparing and educating the public is deemed a responsibility of the American Red Cross, Saratoga CERT, and Santa Clara County Fire Department in this section of the plan. Also, methods to protect vital records by using a backup system are documented. The City of Saratoga has designated the areas to the west of Saratoga-Sunnyvale Road and south of Highway 9 as a high fire hazard area. New construction in that area must comply with California Building Code Chapter 7A, which requires fire safe construction standards. A Weed and Brush Abatement program, requiring property owners to clear weeds and brush, also exists in Saratoga in an effort to reduce the risk of wildfire.

Response- The response section of Saratoga’s EOP defines three levels of emergency that can be declared in the City and describes when the EOP and/or Emergency Operations Centers (EOC) are activated. The location and functions of the EOCs in Saratoga are listed in this section.

Recovery- The mitigation aspect of recovery operations is critical in reducing or eliminating disaster related property damage and loss of lives from reoccurring. The immediate post-disaster period presents a rare opportunity for mitigation. During this time, officials and citizens are more responsive to mitigation recommendations, and unique opportunities to rebuild or redirect development may be available. Recovery plans would benefit from addressing mitigation planning as part of the recovery process. Changes in building codes, variances or set-backs in construction, zoning (to reduce types of construction in high hazard areas), and relocation or removal of structures from high hazard zones are some forms of mitigation that may aid in hazard mitigation in the future.

General Plan

The General Plan charts the future of the City as expressed by the citizens and consists of goals, policies, action programs, area plans, and basic information regarding the City of Saratoga. Saratoga’s General Plan facilitates hazard mitigation in several ways. Following is a brief summary of three General Plan Elements highlighting the capabilities for implementing and supporting hazard mitigation.

Safety Element

The City of Saratoga recognizes within the Safety Element that public safety is the overarching goal in all new land-use planning in order to mitigate natural hazards. Housing development within Saratoga is designed with safety as a priority being maintained through regular building safety inspections. The community has identified its priority safety concerns, such as ensuring that gas, water and sewer leaks are identified and are cleaned up. Precautions are undertaken for emergency workers, in order to reduce exposure to toxic substances in the event of an emergency. Precautionary planning is integrated into all the City’s planning in order to mitigate future risk. The Safety Element is an integral component of Saratoga’s policy. No development will be permitted without an individual site-specific geotechnical investigation to determine soil stability, location of rift zones and the potential for other localized geotechnical problems. An early warning fire alarm system will be installed in all new single and multi-family dwellings. The city continues to enforce flood control regulations. It cooperates with the Santa Clara Valley Water District in regards to projects which impact floodways, in order mitigate the impact of development on flood hazards.

Land Use Element

The city’s land use planning policies, as outlined in the Land Use Element, address future growth with the consideration of hazard mitigation. Rezoning has supplemented existing zoning code

provisions to meet the demand for temporary shelters. The Land Use Element notes that all future land use and planning shall be in accordance with mitigation of public safety hazards, such as natural hazards impacted through increased development. The City of Saratoga aims to employ a wise use of natural resources to avoid natural hazards. These uses include agriculture, mineral extraction, parks and low intensity recreational facilities, land in its natural state, wildlife refuges and very low intensity residential development.

Housing Element

Housing in the City of Saratoga aims to address risks through use of appropriate building materials and site location and regular inspection. The city has a Building Inspection Division which is responsible for administering the Uniform Building Code requirements. This occurs through the plan-checking and on-site inspection processes. The Code Enforcement Division is responsible for enforcing the Municipal Code and for administering both special business license and event permit requirements and parking fine and false alarm collections. The City of Saratoga's building and fire codes support hazard mitigation. The city participates in the National Flood Insurance Program and Community Rating System. The city has facilities and infrastructure in place for the construction and availability of emergency housing. Lines of communication have been developed and established to work with appropriate federal agencies in order to obtain housing resources in the event of an emergency. Accommodations have been made for rehabilitation to fair and low-income housing in order to maintain residences in line with safety standards. The City aims to "assist low-income property owners in improving substandard dwelling units". High risk development areas will be limited to development in order to protect the environment and public health. The City requires installation of an early warning fire alarm system for all new housing. Future housing on hillsides shall implement grading along natural contours to avoid erosion, flooding slides and other hazards. Class "A" roof materials will be used in high fire zones to reduce risk. In addition, new development shall incorporate materials which take into account seismic concerns.

Floodplain Management Plan

In an effort to reduce the risk of loss of life, health, and property due to periodic flood inundation, the City of Saratoga has developed a floodplain management plan. The plan is designed to minimize the expenditure of public money for flood control projects, the need for rescue and relief efforts, business interruptions, and damage to public facilities and utilities. The floodplain management plan also ensures that potential buyers are notified that property is in an area of special flood hazard and that those who occupy property in those areas are held responsible for their actions. A floodplain administrator is responsible for the enforcement of this plan.

To reduce flood losses, the plan includes methods and provisions to control the alteration of natural floodplains, stream channels, and protective barriers; to control filling, grading, dredging and other development that can increase flood damage; to regulate the construction of flood barriers which can divert flood waters or increase flood hazards in other areas; and to require that uses vulnerable to

floods be protected against flood damage at the time of their construction. One of the provisions of this plan is that a development permit must be obtained before any construction or development begins and that certain construction standards, such as anchoring, building with flood resistant materials, and elevating and floodproofing, are required within an area of special flood hazard. The plan also enforces that new and replacement water and sanitary sewage systems should be designed to minimize flood water infiltration and discharge into flood waters. Standards are also included for subdivisions and manufactured homes.

Capital Improvements Plan

There are several projects listed within the City of Saratoga's Capital Improvements Plan, particularly in the Streets Program section, the Facility Projects Section, and the Administrative Projects Section, that may contribute to implementation of the mitigation strategy.

Streets Program- The Streets Program includes projects that develop and maintain the City's roadway system to provide safe and efficient traffic flows, street lighting for traffic safety, development and maintenance of street surfaces, storm drain systems, curbs, gutters and sidewalks, bridges and retaining walls, and utility undergrounding. Street repair and resurfacing keeps the streets in good condition and reduces liability expenses caused by roads in poor condition. Roadway safety projects and traffic calming are focused on reducing driver speed and making pedestrians more visible in order to reduce the number of traffic accidents in the City. Improvement to storm drains can mitigate the damage caused by floods, such as sink holes in roadways, damage to private property, and soil erosion. Improvement to and installation of sidewalk curbs, particularly vertical curbs that provide greater control of runoff water flow, can also reduce the potential for flooding and flood damage. Repairs to bridges and retaining walls can increase safety for pedestrians and vehicle users. Utility undergrounding projects, moving overhead utilities underground, can reduce safety risks associated with downed power lines. Fallen power lines can be especially problematic during winter storms.

Facilities Project Section- The Facilities Project Section includes projects for purchasing, constructing or making capital repairs to City buildings, structures and equipment. The city-owned buildings that are funded by these projects include the civic center, Saratoga Prospect Center, Village Historical Park, and the library building. Repairs include installing alarm systems, security locks, and general maintenance and improvements. Ongoing maintenance and improvements helps to prevent larger problems and costs associated with deferred maintenance, and increases the longevity of City facilities. Safety-related maintenance reduces liability expenses.

Administrative Improvement Projects Section- The Administrative Improvement Projects Section includes projects designed to improve the City's information technology infrastructure and communication systems. Upgrading the City's telecommunication system from PBX to Voice over Internet Protocol is expected to increase the reliability of the City's phone system.

This added reliability will be especially important during emergency situations. The City has also purchased and installed an emergency power supply to provide power to the City’s server room and the building during power outages. This project will ensure that City operations remain active during power outages and it is especially critical during emergency situations.

21.3.2.4.2 Summary of Ordinances that Support Hazard Mitigation

Table 21-11: Availability of Ordinances that Support Hazard Mitigation

Availability of Ordinances that Support Hazard Mitigation								
<i>Jurisdiction</i>	<i>Flood Plain Management Ordinance</i>	<i>Zoning Ordinance</i>	<i>Subdivision Ordinance</i>	<i>Post-disaster Red/Rec. Ordinance</i>	<i>Building Code</i>	<i>Fire Code</i>	<i>National Flood Insurance Program</i>	<i>NFIP Community Rating System</i>
<i>City of Saratoga</i>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NO

The City of Saratoga identified several ordinances and policies currently utilized for hazard mitigation in the matrix of regional mitigation strategies prepared by ABAG as part of the 2010 plan update. Below is a summary of these key ordinances and policies.

Floodplain Management Ordinance

The City of Saratoga has participated in the National Flood Insurance Program since 1973. The City of Saratoga filed NFIP Regular Program (with base flood elevation) biennial reports for calendar year 2007 and 2008 (filed in 2009). In 1996, the City’s Municipal Code Article 16-66 Flood Plain Management via City Council adoption of Ordinance No. 71-167. The City of Saratoga utilizes digital flood insurance rate maps, flood insurance studies, and other studies supplied by applicants when developing properties located in flood hazard areas to regulate development in flood hazard areas. The City has no repetitive flood loss properties.

Ordinance 256

Ordinance 256 adds Articles 16-16 and 16-17; repeals and replaces Articles 16-15 and 16-20—16-35. Article 16-16 relates to repair and reconstruction, and Article 16-17 relates to excavation and grading. The California Building Standard Code does not provide for damaged structures to be repaired or reconstructed to a structurally safe level, accounting for upgrades in wind and seismic standards. The ability to repair structures based upon the most recent industry knowledge is necessary to prevent or mitigate unnecessary future damage or injury. Therefore, Article 16-16 is added and referred to as the ‘Repair and Reconstruction Code’. The City of Saratoga’s dense

population is located in an area of high seismic activity and steep slopes susceptible to erosion. The provisions in the 2007 California Building Code provide only general direction and therefore Article 16-17 'Excavation and Grading Code' is added. It addresses areas of critically expansive soil and other unstable soil conditions which create a need for soil retention and diversion or increased flow of surface waters, particularly on steep slopes.

Ordinance 71-167

This ordinance repeals and replaces article 16-66 relating to floodplain management. The revised article includes methods and provisions to:

- (a) Restrict or prohibit uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or flood heights or velocities;
- (b) Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- (c) Control the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters;
- (d) Control filling, grading, dredging, and other development which may increase flood damage; and
- (e) Prevent or regulate the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards in other areas.

Ordinance 71-193

Ordinance 71-193 amends Articles, 16-05, 16-15, 16-20, 16-25, 16-30, 16-35, 16-40 and 16-45, of the Saratoga Code of Ordinances. And adopts "by reference the following building standards codes comprising part of the California building standards code: The 1997 editions of the uniform building code as amended, the uniform fire code as amended, the uniform plumbing code, the uniform mechanical code as amended, the 1996 edition of the national electrical code and the 1997 editions of the uniform housing code as amended and the abatement of hazardous buildings code, as amended..."

Ordinance 215

Ordinance 215 adds Sections 16-15.065 and 16-15.095; amends Sections 16-15.010, 16-15.030, 16-25.010, 16-35.010 and Article 16-30; and repeals Section 16-05.020. These articles include the General Provisions for Building Regulations, Building Code, Fire Code, Plumbing Code, Mechanical Code, Electrical Code, Housing Code, and Abatement of Dangerous Building Code. Some of the general implications of this ordinance include the following: California Building Standards Code became effective for the City of Saratoga; the City of Saratoga has the right to amend the California Building Standards Code where amendments are necessary because of local conditions; adoption of the 2001 California Building, Plumbing, Mechanical, and Electrical Codes; defines types of construction, correct designations and references in the Saratoga City Code.

21.3.3 National Flood Insurance Program

For decades, the national response to flood disasters was simply to provide disaster relief to flood victims. Funded by citizen tax dollars, this approach failed to reduce losses and didn't provide a way to cover the damage costs of all flood victims. To compound the problem, the public generally couldn't buy flood coverage from insurance companies, because private insurance companies consider floods too costly to insure. In the face of mounting flood losses and escalating costs of disaster relief to U.S. taxpayers, Congress established the National Flood Insurance Program (NFIP). The goals of the program are to reduce future flood damage through floodplain management, and to provide people with flood insurance. Community participation in the NFIP is voluntary.

The City of Saratoga has participated in the National Flood Insurance Program since 1973. All residents of the City are eligible to purchase federal flood insurance. The City of Saratoga filed NFIP Regular Program (with base flood elevation) biennial reports for calendar year 2007 and 2008 (filed in 2009). In 1996, the City's Municipal Code Article 16-66 Flood Plain Management was implemented via City Council adoption of Ordinance No. 71-167.

The City of Saratoga utilizes digital flood insurance rate maps, flood insurance studies, and other studies supplied by applicants when developing properties located in flood hazard areas to regulate development in flood hazard areas.

21.3.3.1 Community Rating System (CRS)

The CRS is a voluntary part of the National Flood Insurance Program that seeks to coordinate all flood-related activities, reduce flood losses, facilitate accurate insurance rating, and promote public awareness of flood insurance by creating incentives for a community to go beyond minimum floodplain management requirements. The incentives are in the form of insurance premium discounts. CRS ratings are on a 10-point scale (from 10 to 1, with 1 being the best rating), with residents of the community who live within FEMA's Special Flood Hazard Areas (SFHA) receiving a 5% reduction in flood insurance rates for every Class improvement in the community's CRS rating.

The City of Saratoga has not joined the Community Rating System.

21.3.3.2 Repetitive Loss Properties

The Federal Emergency Management Agency (FEMA) insures properties against flooding losses in the Bay Area through the [National Flood Insurance Program](#).

As part of the process to reduce or eliminate repetitive flooding to structures across the United States, FEMA has developed an official Repetitive Loss Strategy. The purpose behind the national strategy is to identify, catalog, and propose mitigation measures to reduce flood losses to

the relatively few number of structures that absorb the majority of the premium dollars from the national flood insurance fund.

A repetitive loss property is defined by FEMA as “a property for which two or more National Flood Insurance Program losses of at least \$1,000 each have been paid within any 10-year period since 1978.”

The City of Saratoga has no repetitive flood loss properties.

Source: <http://quake.abag.ca.gov/mitigation/floodloss/>

21.3.4 Resource List:

Documents used in the assembly of this Capability Assessment include: City website, City FY09/10 Budget, Capital Improvements Budget, Emergency Operations Plan, General Plan, Floodplain Management Plan, Capital Improvements Plan, Ordinance 256, Ordinance 71-167, Ordinance 71-193, and Ordinance 215.

21.4 VULNERABILITY ASSESSMENT

21.4.1 Critical Facilities

During the development of this 2011 annex, the City identified 27 critical facilities and provided this list to ABAG in participation with the regional planning process. A summary listing of these facilities is shown in Table 21-12.

Table 21-12: City of Saratoga Critical Facilities

Facility Name	Address	Critical Function
MUSEUM	20450 SARATOGA AVE	
CONCESSION/RSTRM	12970 GLEN BRAE DR	RESTROOM FACILITY
PRK/RSTRM/SNKBR	12970 GLEN BRAE DR	RESTROOM FACILITY
RESTROOM	20764 FOURTH ST	RESTROOM FACILITY
MODULAR A	13777 FRUITVALE AVE	
WARNER HUTN BLDG	13777 FRUITVALE AVE	KITCHEN & RESTROOM FACILITY
CITY HALL/NEW WING	13777 FRUITVALE AVE	KITCHEN & RESTROOM FACILITY/IT SERVER ROOM
THEATER	13777 FRUITVALE AVE	LARGE GROUP MEETING
CONG SPR STRG	12970 GLEN BRAE DR	
CONGSPR SCRKEEP	12970 GLEN BRAE DR	

Facility Name	Address	Critical Function
PROSPECT CENTER, FRIENDSHIP HALL	19848 PROSPECT ROAD	KITCHEN & RESTROOM FACILITY/LARGE GROUP MEETING/SHELTER
PROSPECT CENTER, GRACE BUILDING	19848 PROSPECT ROAD	RESTROOM FACILITY
CARETAKER CTAGE	21000 BIG BASIN WAY	
PUMPHOUSE	21000 BIG BASIN WAY	
CULTURAL EXCHANG	21000 BIG BASIN WAY	
HAKONE PK OFFICE	21000 BIG BASIN WAY	
MAIN HOUSE/PARK	21000 BIG BASIN WAY	
GRDN PRK/EXHIBIT	21000 BIG BASIN WAY	
COMMUNITY CNTR	19655 ALLENDALE AVE	KITCHEN & RESTROOM FACILITY/LARGE GROUP MEETING/SHELTER
CORP YARD	19700 ALLENDALE AVE	RESTROOM FACILITY/TOOLS & EQUIPMENT/FUEL STORAGE
RESTROOM	21000 BIG BASIN WAY	RESTROOM FACILITY
STORAGE BLDG	21000 BIG BASIN WAY	
GARAGE/GIFT SHOP	21000 BIG BASIN WAY	
OLD LIBRARY	14410 OAK STREET	
CITY HALL	13777 FRUITVALE AVE	RESTROOM FACILITY/ALTERNATE EOC
LIBRARY	13650 SARATOGA AVE	RESTROOM FACILITY/MEETING ROOMS
FIRE STATION/ADMIN OFF.	14380 SARATOGA AVE	CITY EOC

This list of critical facilities and available information for them is available digitally in an excel spreadsheet from the City. A complete printing of the critical facilities data is included in Saratoga Attachment 3: Saratoga Exposure Analysis.

21.4.2 Exposure Analysis

Exposure analyses are used to quantify assets which are “exposed” to risk. This is the first step towards understanding the complete value of assets at risk to identified hazards. This section includes an exposure analysis (discussion of assets at risk) for the profiled hazards in Section 4.

Overlay analyses (using GIS) were conducted for the mappable hazards such as wildfire, flood, and the earthquake related hazards. These analyses compare the location of the critical facilities with the mapped hazard area (i.e. floodplains, wildfire threat zones, shaking potential areas, etc.) and result in a listing of which facilities are at most risk to which hazard. Not all hazards are mappable and some hazards, such as drought, are equally likely throughout the entire County. For these hazards, a general exposure summary is presented in Section 21.4.2.1.

21.4.2.1 General Exposure

ABAG's website (<http://quake.abag.ca.gov/mitigation/landuse/>) presents the results of the regional exposure analysis through a searchable online database. Users can view the summaries of land use and infrastructure exposed to the mappable hazards. This section presents the general summary of land use and infrastructure in the City of Saratoga. These should be considered at risk to the hazards of equal likelihood throughout the entire County geography (i.e. drought, extreme heat, thunderstorm, etc).

JURISDICTION: Saratoga
 COUNTY: Santa Clara
 HAZARD: Land Use
 BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	Total Acres
TOTAL RESIDENTIAL LAND [excluding mixed use]:	5,302
1 unit/1-5 acre lot (Rural Residential)	1,793
1-3 units/acre	1,515
3-8 units/acre	1,923
>8 units/acre	71
Mobile Home Parks	0
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	5
Within a Land Area	0
Within a Building	0
Mixture of Above or Unknown	5
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	0
TOTAL INDUSTRIAL [excluding mixed]:	8
Light Industrial	7
Heavy Industrial	0
Salvage/Recycling, Mixture or Unknown	0
Food Processing, Warehousing	0
TOTAL MAJOR INFRASTRUCTURE:	1,096
Roads, Highway and Related Facilities	1,077
Rail Stations, Yards and Related Facilities	0
Airports	0
Ports	0
Power Facilities	0
Municipal Wastewater Facilities	0
Municipal Water Supply Facilities	0
Communication Facilities	19
Infrastructure--Other, Unknown	0
TOTAL MILITARY:	0
Military Residential	0

Military Hospital	0
Military Communications	0
Military Airport or Port	0
General Military	0
Open Military Lands	0
Closed Military Facilities	0
TOTAL COMMERCIAL/SERVICES [excluding mixed]:	469
Subtotal-Commercial:	124
Retail/Wholesale	41
Research/Office	37
Comm. Outdoor Recreation	5
Other, Mixture or Unknown	41
Subtotal-Education:	276
Educational Offices and Day Care	0
Elementary/Secondary	140
Colleges/Universities	135
Stadium Facilities	0
University Housing	0
Day Care Facilities	1
Subtotal-Hospitals and Health Care	3
Trauma Center Hospitals	0
Community or Local Hospitals	3
Surgery Centers	0
State Prisons	0
State Mental Health Facilities	0
Clinics and Long-Term Care	0
Subtotal-Public Institutions:	65
Convention Centers	0
Sports Stadiums	0
Churches/Synagogues/Other	40
City Halls/County Administration	25
Local Jails	0
Local Police/Fire/Emergency	0
Other-Comm. Centers/Libraries	0
TOTAL URBAN OPEN:	364
Golf Courses	48
Racetracks	0
Campgrounds and Other	0
Cemeteries	11
Parks	118
Vacant--Cleared for Redevelopment	0
Vacant--Undeveloped	176

Mixed Urban Open, Including Parks	10
TOTAL AGRICULTURE:	93
Cropland and Pasture	3
Orchards/Groves/Vineyards	90
Greenhouses	0
Confined Feeding	0
Farmsteads and Inactive	0
TOTAL RANGELAND:	265
Herbaceous Range	171
Shrub and Brush	94
Mixed Range	0
TOTAL WETLANDS [Based on USGS Mapping]:	0
Forested	0
Non-Forested	0
Salt Evaporators	0
Wetlands--Unknown	0
TOTAL FOREST LAND:	186
Deciduous	4
Evergreen	172
Mixed Forest	10
TOTAL SPARSELY VEGETATED:	0
Beaches	0
Other Sand	0
Bare Rock	0
Mines/Quarries	0
Transitional--Landfills	0
Transitional--Other	0
Transitional--Mixture	0
Mixed Sparsely Vegetated	0
	=====
	<u>Total Acres</u>
TOTAL URBAN LAND:	7,243
TOTAL NON-URBAN LAND:	544
GRAND TOTAL:	7,787

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: Saratoga
 COUNTY: Santa Clara
 HAZARD: Land Use
 BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>
ROADS:	186
Interstate Highway	5
Primary US/State Highway	0
Secondary State/Co Highway	32
Local Road	143
Misc Ramp/Road	6
TRANSIT:	0
Altamont Commuter Express (ACE)	0
Amtrak	0
Bay Area Rapid Transit (BART)	0
Caltrain	0
San Francisco Muni Metro	0
Santa Clara VTA	0
RAIL:	3
All Railroads	3
PIPELINES:	165
Pipelines Under Roads	165
	=====

Source: Association of Bay Area Governments, 2009.
 Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major auqueducts.
 Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

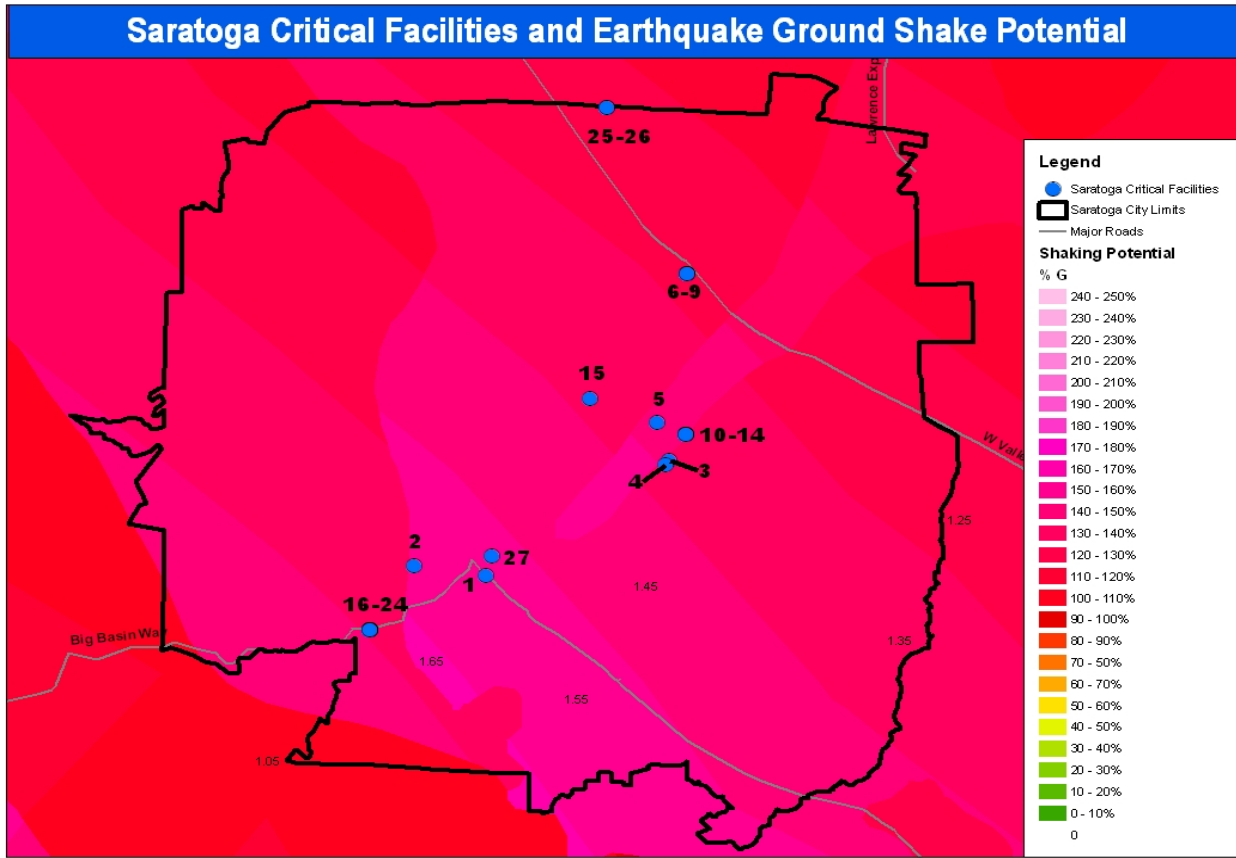
21.4.2.2 Critical Facilities Exposure by Hazard

ABAG's website (<http://quake.abag.ca.gov/mitigation/cf2010/>) presents the results of the regional facilities exposure analysis through a searchable online database. Users can view the summaries of how many facilities are exposed to the mappable hazards by category: health care facilities, schools, critical facilities, and bridges/interchanges. For the purposes of developing a City specific mitigation strategy, this section identifies which of the City's critical facilities are located in the mapped hazard areas.

The complete results from ABAG's exposure analysis are available digitally in an excel spreadsheet from the City. A complete printing of these results is included in Saratoga Attachment 3: Saratoga Exposure Analysis.

21.4.2.2.1 Earthquake Related Hazards

Ground Shaking



Source: CA Department of Conservation

Map Number	Critical Facility	Address	Peak Acceleration (%G)	Bldg Insured Value	Contents Insured Value
1	OLD LIBRARY	14410 OAK STREET	155	\$368,150	\$0
2	RESTROOM	20764 FOURTH Street	155	\$36,383	\$0
3	COMMUNITY CNTR	19655 ALLENDALE Avenue	135	\$3,308,565	\$233,730
4	CORP YARD	19700 ALLENDALE Avenue	135	\$595,000	\$37,486
5	LIBRARY	13650	145	\$2,369,417	\$0

Map Number	Critical Facility	Address	Peak Acceleration (%G)	Bldg Insured Value	Contents Insured Value
		SARATOGA Avenue			
6	PRK/RSTRM/S NKBR	12970 GLEN BRAE Drive	125	\$158,760	\$0
7	CONG SPR STRG	12970 GLEN BRAE Drive	125	\$23,814	\$0
8	CONGSPR SCRKEEP	12970 GLEN BRAE Drive	125	\$16,758	\$0
9	CONCESSION/RSTRM	12970 GLEN BRAE Drive	125	\$110,853	\$0
10	CITY HALL	13777 FRUITVALE Avenue	145	\$2,694,621	\$340,674
11	MODULAR A	13777 FRUITVALE Avenue	145	\$30,000	\$0
12	WARNER HUTN BLDG	13777 FRUITVALE Avenue	145	\$369,000	\$0
13	CITY HALL/NEW WING	13777 FRUITVALE Avenue	145	\$1,035,729	\$340,673
14	THEATER	13777 FRUITVALE Avenue	145	\$0	\$0
15	MUSEUM	20450 SARATOGA Avenue	135	\$222,000	\$0
16	MAIN HOUSE/PARK	21000 BIG BASIN WAY	135	\$185,220	\$5,513
17	GRDN PRK/EXHIBIT	21000 BIG BASIN WAY	135	\$267,908	\$4,961
18	RESTROOM	21000 BIG BASIN WAY	155	\$36,383	\$0
19	CARETAKER CTAGE	21000 BIG BASIN WAY	135	\$195,000	\$0
20	PUMPHOUSE	21000 BIG BASIN WAY	135	\$7,938	\$0
21	STORAGE BLDG	21000 BIG BASIN WAY	135	\$13,561	\$0
22	GARAGE/GIFT SHOP	21000 BIG BASIN WAY	135	\$13,561	\$0

Map Number	Critical Facility	Address	Peak Acceleration (%G)	Bldg Insured Value	Contents Insured Value
23	CULTURAL EXCHANG	21000 BIG BASIN WAY	135	\$1,164,578	\$0
24	HAKONE PK OFFICE	21000 BIG BASIN WAY	135	\$30,165	\$0
25	N. CAMPUS ADMIN BLDNG	19848 PROSPECT ROAD	125	\$0	\$0
26	N. CAMPUS FELLOWSHIP	19848 PROSPECT ROAD	125	\$0	\$0
27	FIRE STATION/ADM IN OFF.	14380 SARATOGA Avenue	155	\$6,000,000	\$250,000

All facilities are at risk to “Extreme” perceived shaking and “Very Heavy” potential damage.

Soft Story Multi-Family Dwellings

In 2003, the Collaborative for Disaster Mitigation at San Jose State University completed an “*Inventory of Soft-First Story Multi-Family Dwellings in Santa Clara County*”. At that time, the city of Saratoga had 9 soft-first story multi-family buildings including 262 residential units housing 655 occupants. Figure 21-1 below identifies the locations of these buildings.

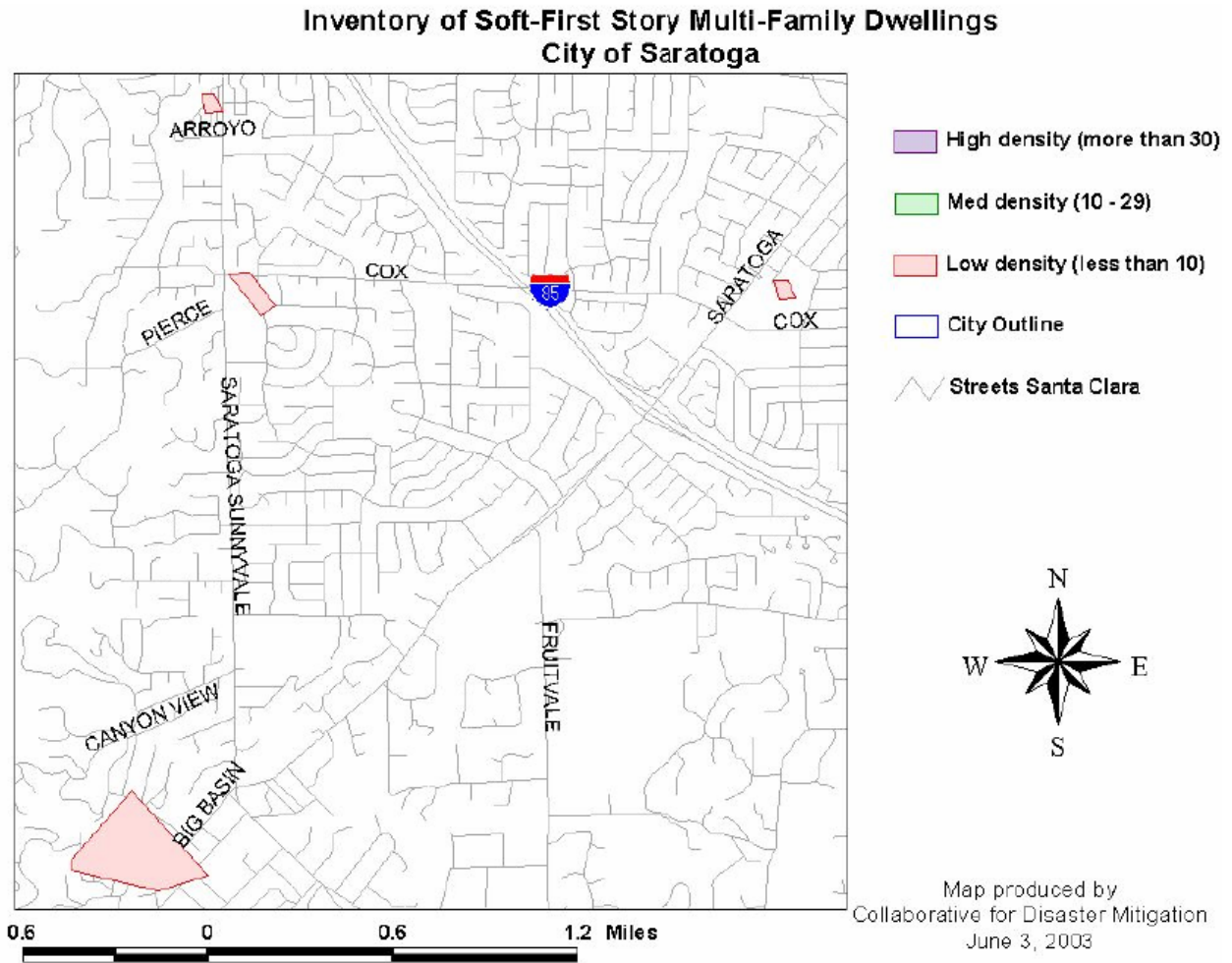
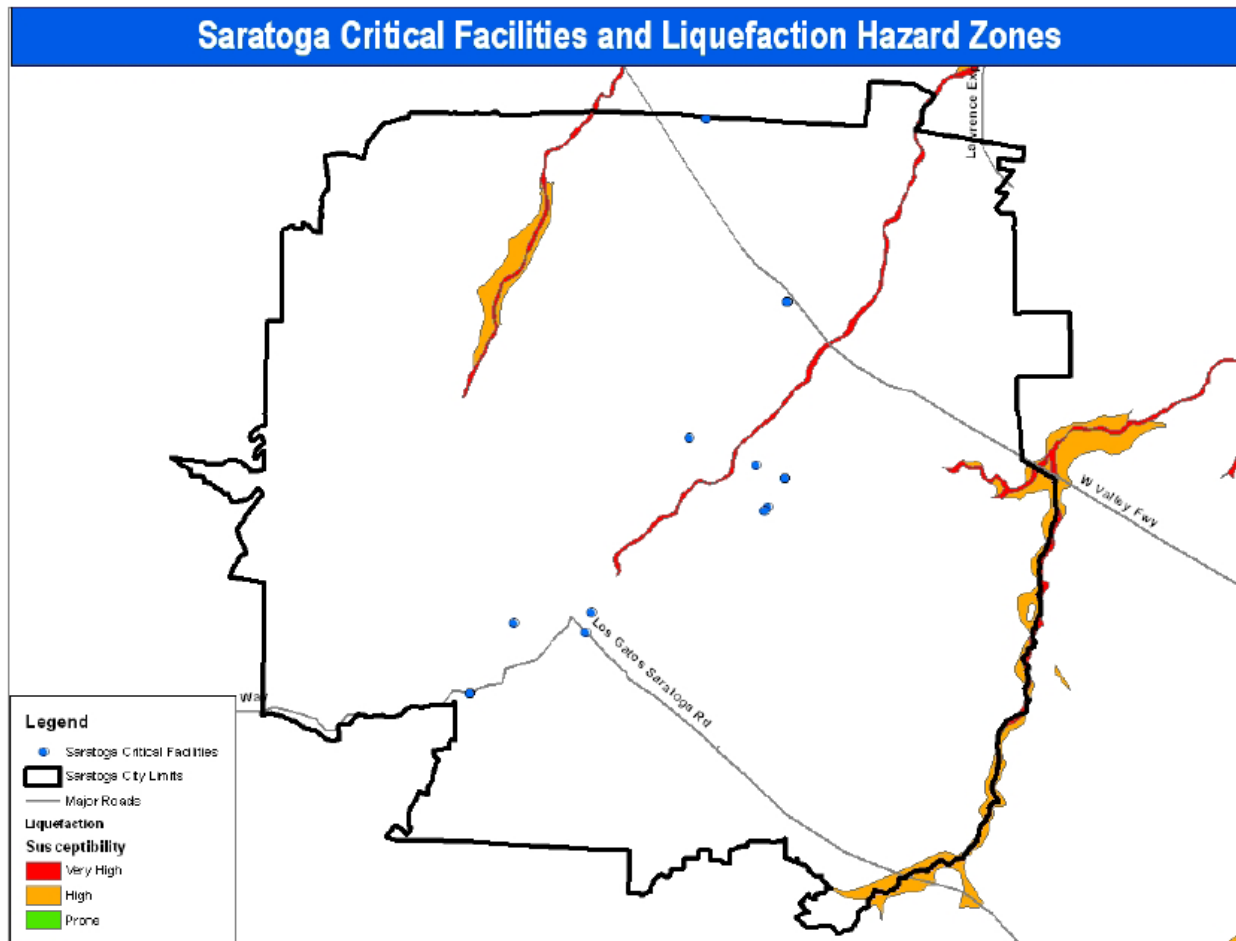


Figure 21-1: Inventory of Soft-First Story Multi-Family Dwellings- City of Saratoga

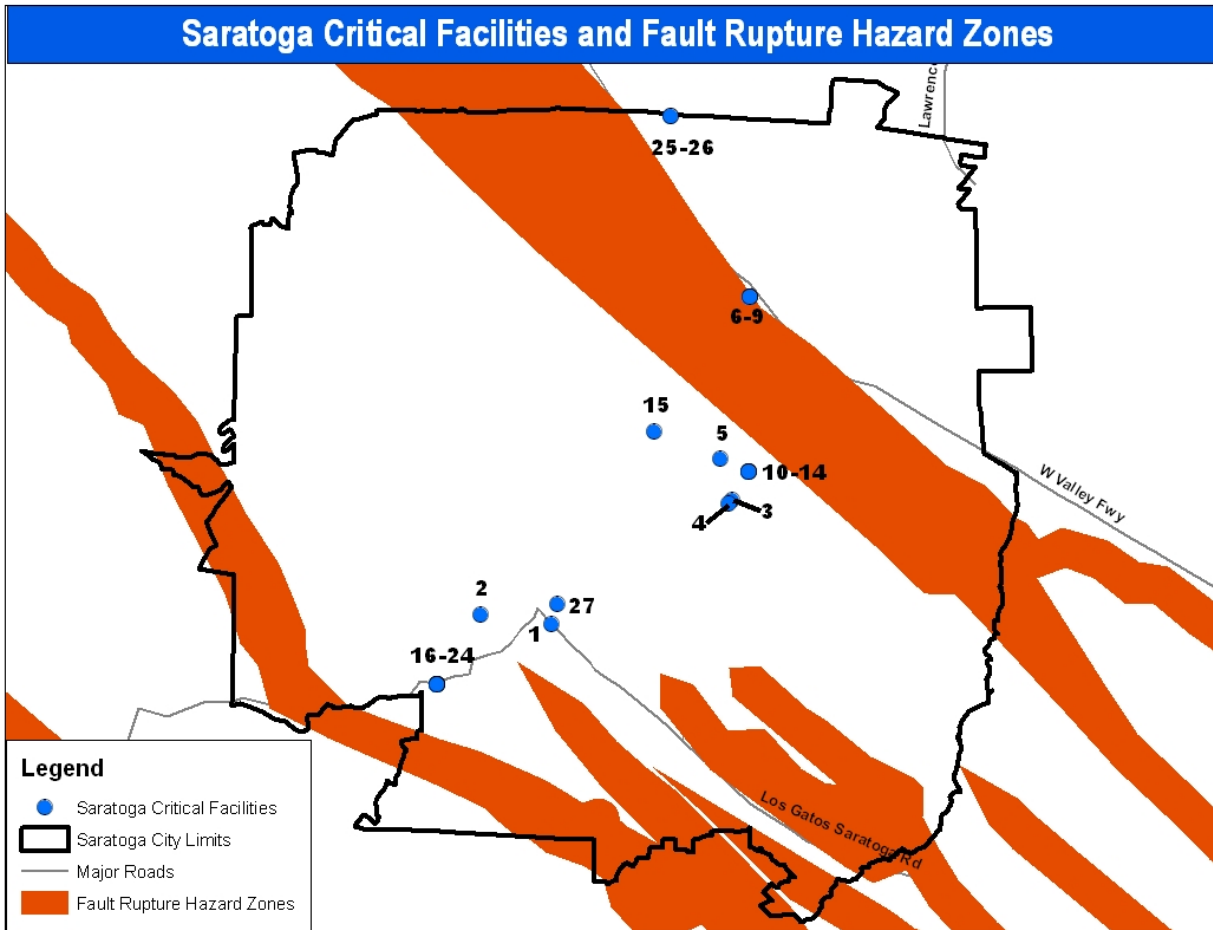
Earthquake Induced Liquefaction



Source: Santa Clara Planning Office

There are no critical facilities within the Liquefaction Susceptibility areas in the City of Saratoga.

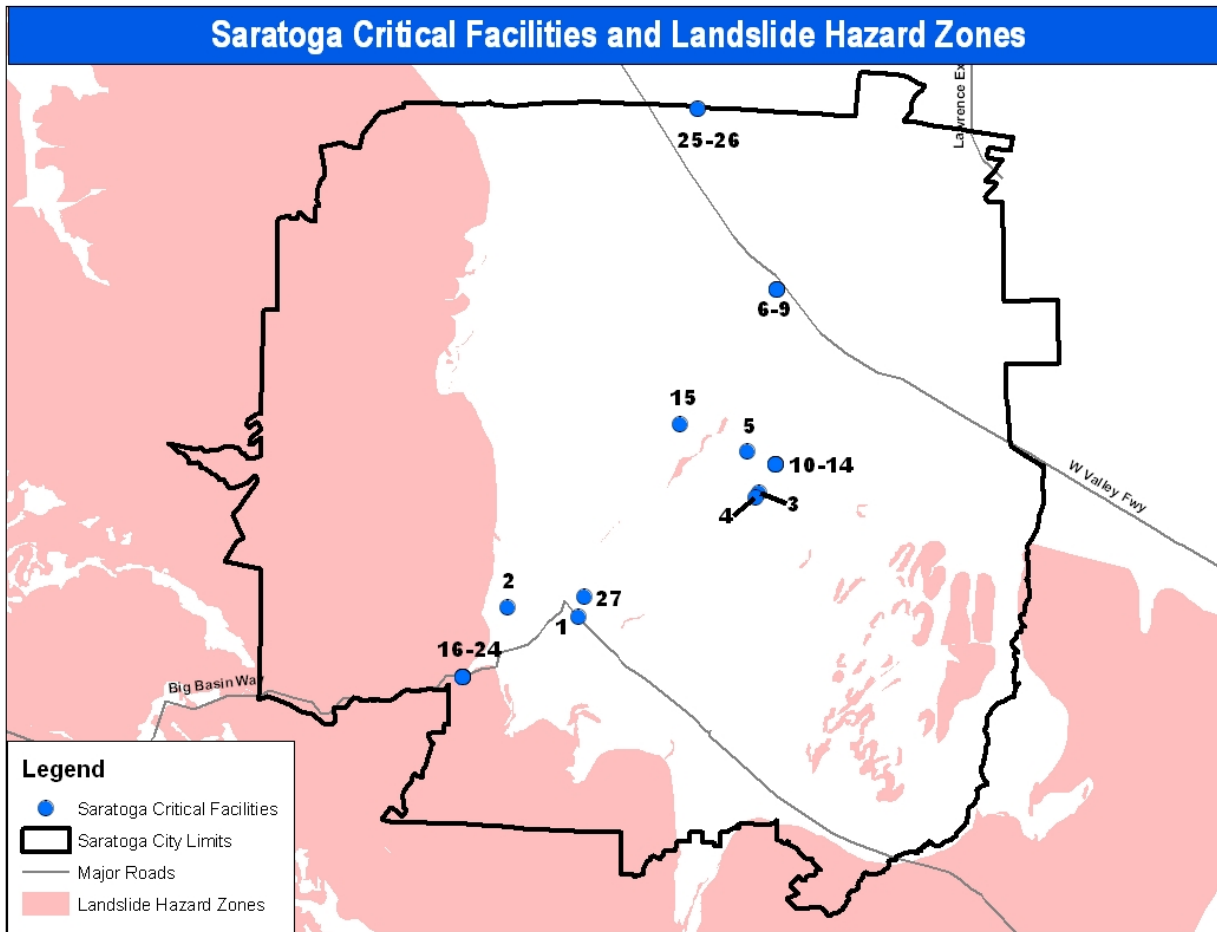
Surface Rupture



Source: CA Geological Survey, State of CA Department of Conservation

Map Number	Critical Facility	Address	With Fault Rupture Hazard Zone	Bldg Insured Value	Contents Insured Value
6	PRK/RSTRM/SNKBR	12970 GLEN BRAE Drive	Yes	\$158,760	\$0
7	CONG SPR STRG	12970 GLEN BRAE Drive	Yes	\$23,814	\$0
8	CONGSPR SCRKEEP	12970 GLEN BRAE Drive	Yes	\$16,758	\$0
9	CONCESSION/RSTRM	12970 GLEN BRAE Drive	Yes	\$110,853	\$0

Earthquake Induced Landslides



Source: Santa Clara Planning Office, CA State Department of Conservation

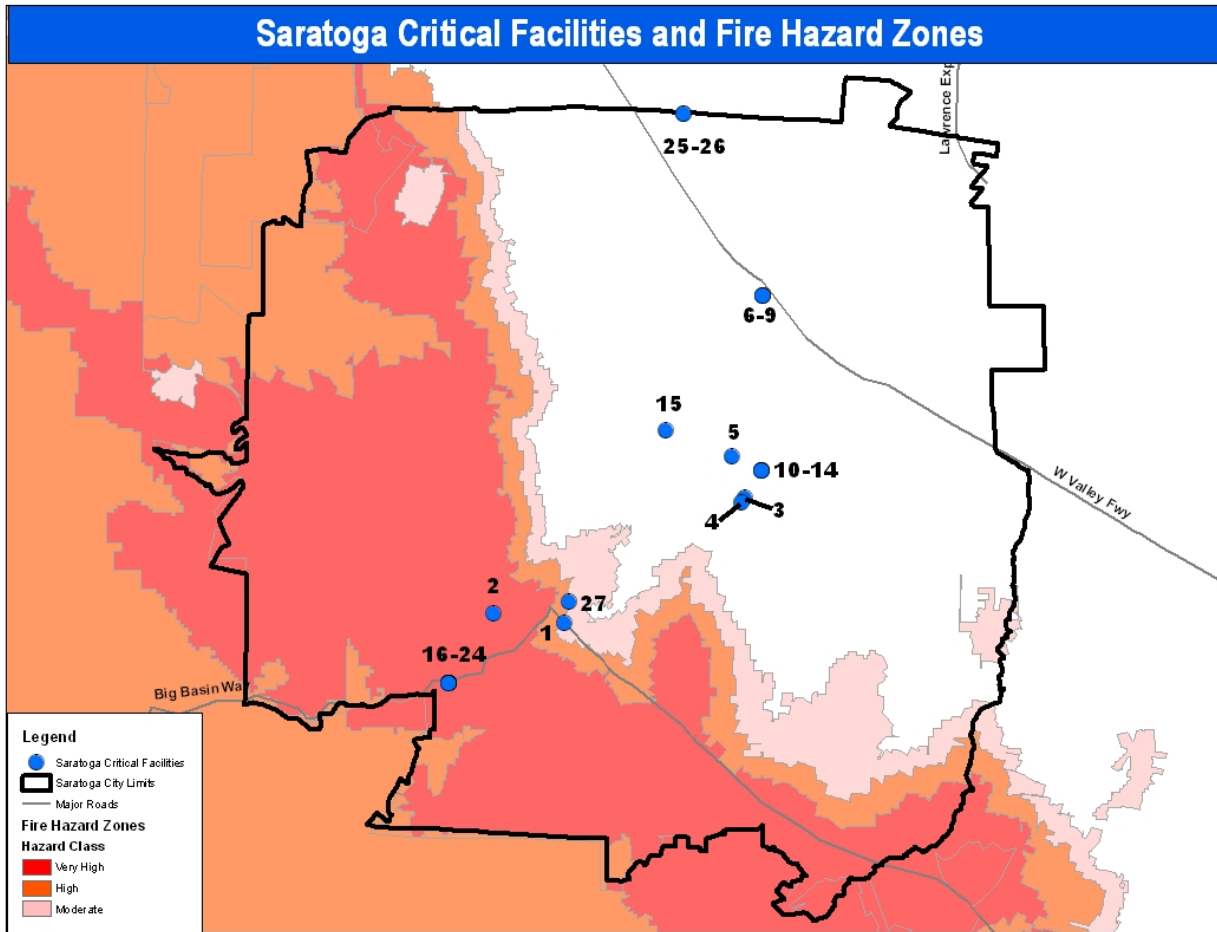
Map Number	Critical Facility	Address	Within Landslide Hazard Zone	Bldg Insured Value	Contents Insured Value
16	MAIN HOUSE/PARK	21000 BIG BASIN WAY	Yes	\$185,220	\$5,513
17	GRDN PRK/EXHIBIT	21000 BIG BASIN WAY	Yes	\$267,908	\$4,961
18	RESTROOM	21000 BIG BASIN WAY	Yes	\$39,690	\$0
19	CARETAKER CTAGE	21000 BIG BASIN WAY	Yes	\$195,000	\$0
20	PUMPHOUSE	21000 BIG BASIN WAY	Yes	\$7,938	\$0
21	STORAGE BLDG	21000 BIG BASIN WAY	Yes	\$13,561	\$0

Map Number	Critical Facility	Address	Within Landslide Hazard Zone	Bldg Insured Value	Contents Insured Value
22	GARAGE/GIFT SHOP	21000 BIG BASIN WAY	Yes	\$13,561	\$0
23	CULTURAL EXCHANG	21000 BIG BASIN WAY	Yes	\$1,164,578	\$0
24	HAKONE PK OFFICE	21000 BIG BASIN WAY	Yes	\$30,165	\$0

21.4.2.2.2 Infrastructure Failure

The City of Saratoga does not have any additional unique concerns or vulnerabilities regarding the hazard of infrastructure failure as presented in Section 4.

21.4.2.2.3 Wildfire

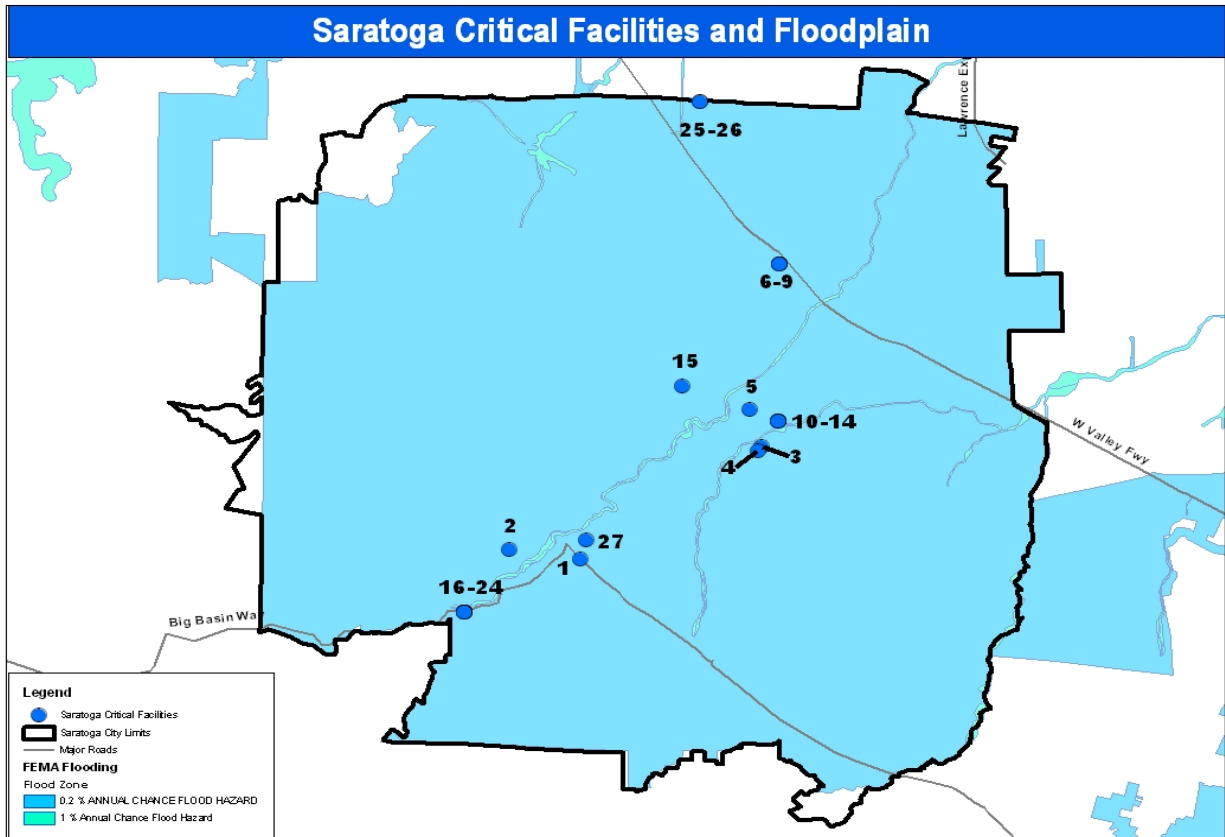


Source: CA Department of Forestry and Fire Protection

Map Number	Critical Facility	Address	Fire Hazard Zone	Bldg Insured Value	Contents Insured Value
2	RESTROOM	20764 FOURTH Street	Very High	\$36,383	\$0
16	MAIN HOUSE/PARK	21000 BIG BASIN WAY	Very High	\$185,220	\$5,513
17	GRDN PRK/EXHIBIT	21000 BIG BASIN WAY	Very High	\$267,908	\$4,961
18	RESTROOM	21000 BIG BASIN WAY	Very High	\$36,383	\$0
19	CARETAKER CTAGE	21000 BIG BASIN	Very	\$195,000	\$0

Map Number	Critical Facility	Address	Fire Hazard Zone	Bldg Insured Value	Contents Insured Value
		WAY	High		
20	PUMPHOUSE	21000 BIG BASIN WAY	Very High	\$7,938	\$0
21	STORAGE BLDG	21000 BIG BASIN WAY	Very High	\$13,561	\$0
22	GARAGE/GIFT SHOP	21000 BIG BASIN WAY	Very High	\$13,561	\$0
24	HAKONE PK OFFICE	21000 BIG BASIN WAY	Very High	\$30,165	\$0
23	CULTURAL EXCHANG	21001 BIG BASIN WAY	Very High	\$1,164,578	\$0
27	FIRE STATION/ADMIN OFF.	14380 SARATOGA Avenue	High	\$6,000,000	\$250,000
1	OLD LIBRARY	14410 OAK STREET	Moderate	\$368,150	\$0

21.4.2.2.4 Flooding



Source: FEMA- Santa Clara County DFIRM, 2009

Map Number	Critical Facility	Address	Flood Zone (% annual chance)	Bldg Insured Value	Contents Insured Value
1	OLD LIBRARY	14410 OAK STREET	.2%	\$368,150	\$0
2	RESTROOM	20764 FOURTH Street	.2%	\$36,383	\$0
3	COMMUNITY CNTR	19655 ALLENDALE Avenue	.2%	\$3,308,565	\$233,730
4	CORP YARD	19700 ALLENDALE Avenue	.2%	\$595,000	\$37,486
5	LIBRARY	13650 SARATOGA Avenue	.2%	\$2,369,417	\$0

Map Number	Critical Facility	Address	Flood Zone (% annual chance)	Bldg Insured Value	Contents Insured Value
6	PRK/RSTRM/SNKBR	12970 GLEN BRAE Drive	.2%	\$158,760	\$0
7	CONG SPR STRG	12970 GLEN BRAE Drive	.2%	\$23,814	\$0
8	CONGSPR SCRKEEP	12970 GLEN BRAE Drive	.2%	\$16,758	\$0
9	CONCESSION/RSTRM	12970 GLEN BRAE Drive	.2%	\$110,853	\$0
10	CITY HALL	13777 FRUITVALE Avenue	.2%	\$2,694,621	\$340,674
11	MODULAR A	13777 FRUITVALE Avenue	.2%	\$30,000	\$0
12	WARNER HUTN BLDG	13777 FRUITVALE Avenue	.2%	\$369,000	\$0
13	CITY HALL/NEW WING	13777 FRUITVALE Avenue	.2%	\$1,035,729	\$340,673
14	THEATER	13777 FRUITVALE Avenue	.2%	\$0	\$0
15	MUSEUM	20450 SARATOGA Avenue	.2%	\$222,000	\$0
16	MAIN HOUSE/PARK	21000 BIG BASIN WAY	.2%	\$185,220	\$5,513
17	GRDN PRK/EXHIBIT	21000 BIG BASIN WAY	.2%	\$267,908	\$4,961
18	RESTROOM	21000 BIG BASIN WAY	.2%	\$36,383	\$0
19	CARETAKER CTAGE	21000 BIG BASIN WAY	.2%	\$195,000	\$0
20	PUMPHOUSE	21000 BIG BASIN WAY	.2%	\$7,938	\$0
21	STORAGE BLDG	21000 BIG BASIN WAY	.2%	\$13,561	\$0

Map Number	Critical Facility	Address	Flood Zone (% annual chance)	Bldg Insured Value	Contents Insured Value
22	GARAGE/GIFT SHOP	21000 BIG BASIN WAY	.2%	\$13,561	\$0
23	CULTURAL EXCHANG	21000 BIG BASIN WAY	.2%	\$1,164,578	\$0
24	HAKONE PK OFFICE	21000 BIG BASIN WAY	.2%	\$30,165	\$0
25	N. CAMPUS ADMIN BLDNG	19848 PROSPECT ROAD	.2%	\$0	\$0
26	N. CAMPUS FELLOWSHIP	19848 PROSPECT ROAD	.2%	\$0	\$0
27	FIRE STATION/ADMIN OFF.	14380 SARATOGA Avenue	.2%	\$6,000,000	\$250,000

Sea Level Rise

No facilities in Saratoga are at risk of being impacted by sea level rise.

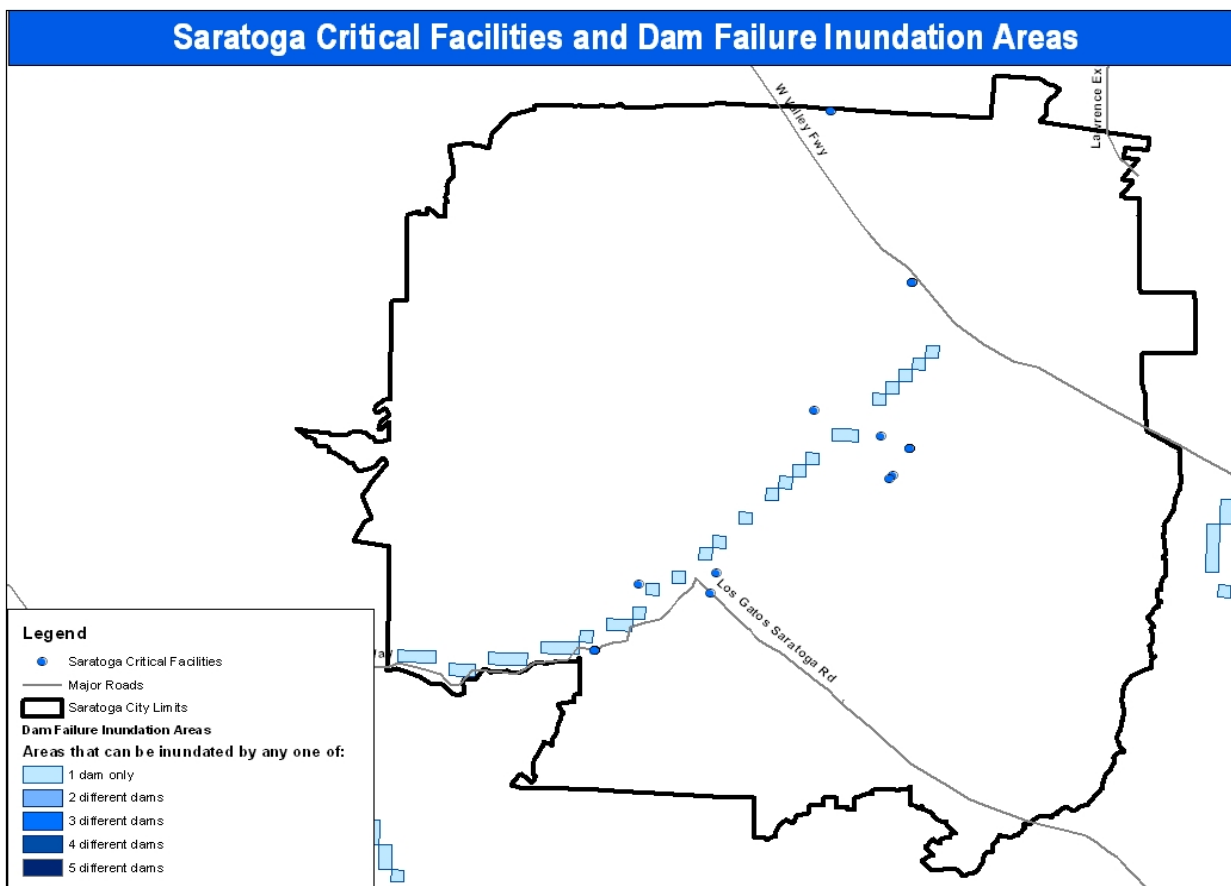
21.4.2.2.5 Drought

All populations, facilities, and assets are equally at risk to impact from drought. The City of Saratoga does not have any unique concerns regarding the hazard of drought as presented in Section 4.

21.4.2.2.6 Solar Storm

All populations, facilities, and assets are equally at risk to impact from solar storm events. The City of Saratoga does not have any unique concerns regarding the hazard of solar storm as presented in Section 4.

21.4.2.2.7 Dam Failure



Source: ABAG, 1995. Dam data from State of California Office of Emergency Services

There are no critical facilities located within a dam failure inundation area in Saratoga, CA. However, Saratoga acknowledges that people impacted by dam failure and evacuating from Los Gatos will come to Saratoga.

21.4.2.2.8 Disease Outbreak

All populations, facilities, and assets are equally at risk to impact from disease outbreak. The City of Saratoga does not have any unique concerns regarding the hazard of disease outbreak as presented in Section 4.

21.4.2.2.9 Freeze

All populations, facilities, and assets are equally at risk to impact from freeze occurrences. The City of Saratoga does not have any unique concerns regarding the hazard of freeze as presented in Section 4.

21.4.2.2.10 Wind

All populations, facilities, and assets are equally at risk to impact from high winds. The City of Saratoga does not have any unique concerns regarding the hazard of wind as presented in Section 4.

21.4.2.2.11 Heat

All populations, facilities, and assets are equally at risk to impact from extreme heat events. The City of Saratoga does not have any unique concerns regarding the hazard of heat as presented in Section 4.

21.4.2.2.12 Agricultural Pest

The City of Saratoga does not have any unique concerns regarding the hazard of agricultural pest as presented in Section 4.

21.4.2.2.13 Thunder and Lightning

All populations, facilities, and assets are equally at risk to impact from thunder and lightning events. The City of Saratoga does not have any unique concerns regarding the hazard of thunder and lightning as presented in Section 4.

21.4.2.2.14 Siltation – Bay Area

The City of Saratoga does not have any unique concerns regarding the hazard of siltation as presented in Section 4.

21.4.2.2.15 Tornado

All populations, facilities, and assets are equally at risk to impact from tornado occurrences. The City of Saratoga does not have any unique concerns regarding the hazard of tornado as presented in Section 4.

21.4.2.2.16 Hazardous Materials

Hazardous Materials spills are not of particular concern to the City of Saratoga.

21.4.2.2.17 Landslide and Debris Flow

Landslide and Debris Flow is not of particular concern to the City of Saratoga.

21.4.2.2.18 Other Hazards

Land Subsidence is not of particular concern to the City of Saratoga.

Expansive Soils are not of particular concern to the City of Saratoga.

Hailstorms are not of particular concern to the City of Saratoga.

Tsunami is not a hazard of concern for the City of Saratoga.

Volcano eruptions are not a hazard of concern for the City of Saratoga.

21.5 MITIGATION ACTIONS

21.5.1 Primary Concerns

Based on the exposure analysis, Saratoga's critical facilities are at significant risk to potential ground shaking and flood. The western portion of the city is at risk to wildfire and landslide. A few critical facilities fall within the zones of potential fault surface rupture.

21.5.2 Mitigation Actions

The City of Saratoga identified three specific mitigation actions for the 2011 update of this plan. Following are descriptions and implementation plans for those actions.

Problem Statement:

The City of Saratoga has a number of known, slow-moving landslides that could potentially impact City-owned infrastructure (storm drains, roads).

Project Description:

Implement mitigation strategies (placement of engineered fill, construction of retaining walls) in order to eliminate the potential for landslide areas to become critical hazards.

Corresponding ABAG Strategy Number:

Applicable Hazards

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p>Earthquakes</p> <input type="checkbox"/> Ground Shaking <input type="checkbox"/> Liquefaction <input type="checkbox"/> Surface Rupture <input checked="" type="checkbox"/> Landslides	<input type="checkbox"/> Flood <input type="checkbox"/> Drought <input type="checkbox"/> Solar Storm <input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease and Outbreak <input type="checkbox"/> Freeze <input type="checkbox"/> Wind (high winds) <input type="checkbox"/> Extreme Heat <input type="checkbox"/> Agricultural Pests <input type="checkbox"/> Thunder / Lightning Storms <input type="checkbox"/> Bay Area Silting <input type="checkbox"/> Tornado <input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills <input type="checkbox"/> Landslide and Debris Flow	<input type="checkbox"/> Land Subsidence <input type="checkbox"/> Expansive Soils <input type="checkbox"/> Hailstorm <input type="checkbox"/> Tsunami <input type="checkbox"/> Volcano
<p>Infrastructure Failure</p> <input type="checkbox"/> Electrical System <input type="checkbox"/> Energy System <input type="checkbox"/> Telecommunication System <input type="checkbox"/> Transportation System <input type="checkbox"/> Waste Water System <input type="checkbox"/> Water System <input type="checkbox"/> Delta Levee Failure <input type="checkbox"/> Wildfire		

Potential Funding Sources: FEMA Mitigation Grant Funding

Responsible Department:

Public Works Development

Target Completion Date: *To be determined*

Additional Comments / Status Report:

The City has identified a minimum of \$1 million in existing landslide mitigation projects; however, we currently do not have funding to undertake this work.

Problem Statement:

The City of Saratoga has approximately 50 privately owned soft story buildings that have not been retrofitted to meet current seismic standards.

Project Description:

Provide incentives for private owners to retrofit soft story buildings. These incentives could take the form of reduced planning application, building permit and inspection fees, or other suitable incentives.

Corresponding ABAG Strategy Number: ECON b-3, b-4, b-7; HSNB c-3, c-4, c-7

Applicable Hazards

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p>Earthquakes</p> <p><input checked="" type="checkbox"/> Ground Shaking</p> <p><input type="checkbox"/> Liquefaction</p> <p><input type="checkbox"/> Surface Rupture</p> <p><input type="checkbox"/> Landslides</p> <p>Infrastructure Failure</p> <p><input type="checkbox"/> Electrical System</p> <p><input type="checkbox"/> Energy System</p> <p><input type="checkbox"/> Telecommunication System</p> <p><input type="checkbox"/> Transportation System</p> <p><input type="checkbox"/> Waste Water System</p> <p><input type="checkbox"/> Water System</p> <p><input type="checkbox"/> Delta Levee Failure</p> <p><input type="checkbox"/> Wildfire</p>	<p><input type="checkbox"/> Flood</p> <p><input type="checkbox"/> Drought</p> <p><input type="checkbox"/> Solar Storm</p> <p><input type="checkbox"/> Dam Failure</p> <p><input type="checkbox"/> Disease and Outbreak</p> <p><input type="checkbox"/> Freeze</p> <p><input type="checkbox"/> Wind (high winds)</p> <p><input type="checkbox"/> Extreme Heat</p> <p><input type="checkbox"/> Agricultural Pests</p> <p><input type="checkbox"/> Thunder / Lightning Storms</p> <p><input type="checkbox"/> Bay Area Silting</p> <p><input type="checkbox"/> Tornado</p> <p><input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills</p> <p><input type="checkbox"/> Landslide and Debris Flow</p>	<p><input type="checkbox"/> Land Subsidence</p> <p><input type="checkbox"/> Expansive Soils</p> <p><input type="checkbox"/> Hailstorm</p> <p><input type="checkbox"/> Tsunami</p> <p><input type="checkbox"/> Volcano</p>

Potential Funding Sources: FEMA Mitigation Grant Funding

Responsible Department:

Community Development

Target Completion Date: *To be determined*

Additional Comments / Status Report:

The City has inventoried existing soft story buildings within its jurisdiction.

Problem Statement:

The City of Saratoga has a number of storm drain systems that are insufficient and contribute to flooding in low-lying areas, especially impacting the City’s road network.

Project Description:

Install new underground storm drainage throughout most vulnerable areas in the City, particularly in the Monte Vista/El Camino Grande and Chester Avenue areas.

Corresponding ABAG Strategy Number: INFR Flooding d-5, d-6

Applicable Hazards

<u>Significant</u>	<u>Moderate</u>	<u>Limited</u>
<p>Earthquakes</p> <input type="checkbox"/> Ground Shaking <input type="checkbox"/> Liquefaction <input type="checkbox"/> Surface Rupture <input type="checkbox"/> Landslides	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Drought <input type="checkbox"/> Solar Storm <input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease and Outbreak <input type="checkbox"/> Freeze <input type="checkbox"/> Wind (high winds) <input type="checkbox"/> Extreme Heat <input type="checkbox"/> Agricultural Pests <input type="checkbox"/> Thunder / Lightning Storms <input type="checkbox"/> Bay Area Silting <input type="checkbox"/> Tornado <input type="checkbox"/> Hazardous Materials (Chemical/Biological) Spills <input type="checkbox"/> Landslide and Debris Flow	<input type="checkbox"/> Land Subsidence <input type="checkbox"/> Expansive Soils <input type="checkbox"/> Hailstorm <input type="checkbox"/> Tsunami <input type="checkbox"/> Volcano
<p>Infrastructure Failure</p> <input type="checkbox"/> Electrical System <input type="checkbox"/> Energy System <input type="checkbox"/> Telecommunication System <input type="checkbox"/> Transportation System <input type="checkbox"/> Waste Water System <input type="checkbox"/> Water System <input type="checkbox"/> Delta Levee Failure <input type="checkbox"/> Wildfire		

Potential Funding Sources: FEMA Mitigation Grant Funding

Responsible Department:

Public Works

Target Completion Date: *To be determined*

Additional Comments / Status Report:

The City currently has approximately \$750,000 in needed storm drain upgrades; however, we do not have funding to pursue these improvements.

21.6 PLAN MAINTENANCE

As required Disaster Mitigation Act of 2000, the City of Saratoga will update this plan annex at least once every five years, by participating in a multi-agency effort with ABAG and other agencies to develop a multi-jurisdictional plan.

The City Manager's Office will ensure that monitoring of this Annex will occur. The plan will be monitored on an on-going basis. However, the major disasters affecting our City, legal changes, notices from ABAG as the lead agency in this process, and other triggers will be used. Finally, the Annex will be a discussion item on the agenda of the meeting of department leaders at least once a year in April. At that meeting, the department heads will focus on evaluating the Annex in light of technological and political changes during the past year or other significant events. The department leaders will be responsible for determining if the plan should be updated.

The City Manager's Office will contact ABAG four years after this plan is approved to ensure that ABAG plans to undertake the plan update process. If so, the City again plans to participate in the multi-jurisdictional plan. If ABAG is unwilling or unable to act as the lead agency in the multi-jurisdictional effort, other agencies will be contacted, including the County's Office of Emergency Services. Jurisdictions should then work together to identify another regional forum for developing a multi-jurisdictional plan.

The public will continue to be involved whenever the plan is updated and as appropriate during the monitoring and evaluation process. Prior to adoption of updates, the County will provide the opportunity for the public to comment on the updates. A public notice will be posted prior to the meeting to announce the comment period and meeting logistics.

Mitigation Plan Point of Contact

Name: Crystal Morrow
Title: City Clerk
Mailing Address: 13777 Fruitvale Avenue, Saratoga, CA 95070
Telephone: (408) 868-1275
Email: cmorrow@saratoga.ca.us

Alternate Point of Contact

Name: Dave Anderson
Title: City Manager
Mailing Address: 13777 Fruitvale Avenue, Saratoga, CA 95070
Telephone: (408) 868-1216
Email: davea@saratoga.ca.us

21.7 CITY OF SARATOGA APPENDIX

21.7.1 Saratoga Attachment 1: Saratoga Outreach

The City of Saratoga notified residents and businesses of the hazard mitigation planning process by distributing announcements regarding the public opportunity to respond to the online survey. This Attachment includes those outreach materials. The City also provided the opportunity for the public to comment on the draft mitigation strategies selected by City staff at the City Council meeting on November 4, 2009. Copies of the meeting agenda are also located in this Attachment.

Low Graphics Version

Calendar

Site Map

F.A.Q.

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Tucked away in the foothills of the Santa Cruz Mountains, Saratoga is a lovely residential community with a small-town feel. The City is well known for its excellent schools, fine dining, unique shops, and distinctive cultural institutions. Saratoga offers a high quality of life to its residents and a chance to escape the hustle of Silicon Valley.



Learn More...



CITY NEWS

Seeking Your Input!

11/22/2010 The City of Saratoga is collaborating with Santa Clara County to update our local hazard mitigation plan. This plan outlines ways to increase our community's resiliency to natural hazard events (earthquake, flood, wildfire, etc.).

Your feedback is critical to increasing local resiliency. Please take a few moments to complete the brief survey by clicking on "More" below. (The survey will be available online through Friday, December 3, 2010)

Thank you for your participation!

[More...](#)

Holiday Toy and Food Drive

11/18/2010 Help those in need by donating to the City of Saratoga's annual holiday toy and food drive. Barrels for toy donations are located at the Saratoga City Manager's Office. Toys should be new and unwrapped. Toys will be collected through December 16, 2010 and given to Sacred Heart Community Service.

Food donations can be dropped off at City Hall, Joan Pisani



RESIDENTS



BUSINESSES



VISITORS



MINUTES

SARATOGA CITY COUNCIL MEETING NOVEMBER 4, 2009

The City Council of the City of Saratoga met in Closed Session in the Administrative Conference Room at 5:30 p.m.

ANNOUNCEMENT OF CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL – Anticipated Litigation: Significant Exposure to Litigation Pursuant to Government Code Section 54956.9 (b) (1 potential case)

CONFERENCE – INSTRUCTION TO REAL PROPERTY NEGOTIATOR (Gov't Code Section 54956.8): Wildwood Way
Agency Negotiators: Dave Anderson, City Manager and John Cherbone, Public Works Director

MAYOR'S REPORT ON CLOSED SESSION

Mayor Page stated there was no reportable information.

City Council held a Joint Meeting with members of the Ministerial Association in the Administrative Conference Room at 6:00 p.m.

Mayor Page called the Regular City Council meeting to order at 7:00 p.m. and led the Pledge of Allegiance.

ROLL CALL

PRESENT: Councilmembers Howard Miller, Jill Hunter, Vice Mayor Kathleen King, Mayor Chuck Page

ABSENT: Susie Nagpal (Excused Absence)

ALSO PRESENT: Dave Anderson, City Manager
Richard Taylor, City Attorney
Barbara Powell, Assistant City Manager
Ann Sullivan, City Clerk
Mary Furey, Finance Director
John Cherbone, Public Works Director
John Livingstone, Community Development Director
Cynthia McCormick, Associate Planner
Kate Bear, City Arborist

REPORT OF CITY CLERK ON POSTING OF AGENDA

Ann Sullivan, City Clerk, reported that pursuant to Government Code Section 54954.2, the agenda for the meeting of November 4, 2009, was properly posted on October 29, 2009.

ORAL COMMUNICATIONS

The following people requested to speak:

Citizen Ray addressed the Council regarding the pollution from the Lehigh Cement Plant in Cupertino. He stated he recently attended a meeting in Sacramento regarding this concern.

Grover Steele addressed the Council regarding the October 13th article in the Saratoga Newspaper about the proposed Community Garden by the Peck family and the potential development of the West Valley Water District property bordering the Saratoga Creek; he stated he does not support this proposal.

Naomi Matsumoto expressed her appreciation of the support shown by the City Council for the West Valley Community Services program. She noted they have seen a 30% increase in participation from a year ago from people who need their services. She added they are having a difficult time keeping enough donated food items available for the people who are in need and welcomed any and all donations.

Vice Mayor King asked if they had enough volunteers for serving food on Thanksgiving Day.

Ms. Matsumoto noted they have enough servers lined up for that day; however they do need volunteers to adopt seniors for the *Adopt a Family Program* for the holidays.

Vice Mayor King asked how people could get excess produce from their fruit and vegetable trees to West Valley Community Services.

Ms. Matsumoto stated people could drop the excess produce off at the West Valley Community Services office or they could call their office to schedule a time where they could meet at the Los Gatos location to pick up the donated produce.

Janice Gamper addressed the Council regarding the discontinued public transportation services for people that needed transportation services later in the evening and asked how she could get transportation assistance for her and her father.

DIRECTION TO STAFF

Mayor Page suggested Ms. Gamper call 211 for transportation assistance.

COMMUNICATIONS FROM BOARDS AND COMMISSIONS

Reverend Eric Swanson from West Hope Presbyterian Church provided a brief report on the Joint Meeting with the Ministerial Association prior to the Regular Council meeting. He noted the association meets once a month and their goal is to continue networking with the various communities of faith within Saratoga to build a community of peace. They expressed an interest in working with the City to reach out together to build community. Reverend Swanson invited all Saratoga communities of faith to participate in the Thanksgiving Dinner Interfaith celebration on Thanksgiving Day at Congregation Beth David. In addition, he invited everyone that would like to be more involved in the

community to visit their website at www.SaratogaServes.org – a program that was enacted in 2008 that promotes service and good will in the Saratoga community.

Mayor Page took this opportunity to invite the members of the Ministerial Association that were in attendance to join him on the Dais so that he could present them with a proclamation declaring the month of November as “National Family Care Givers Month”. Mayor Page read the proclamation and presented it to the members that were present.

DIRECTION TO STAFF

None

ANNOUNCEMENTS

Vice Mayor King stated the Sister City 25th Anniversary celebrations will be starting this week and invited everyone to help welcome the delegation from Muko Japan and to join them in the tree planting event at the Warner Hutton House on Saturday . She added people could call the city offices to obtain a schedule of events.

Councilmember Hunter noted there was an event for children scheduled at the Saratoga Library on Saturday. Ms. Hunter also invited everyone to come to the annual Tree Lighting Ceremony on November 27th – followed by the Village Open House events.

Mayor Page noted the City began their Sister City relationship with Muko, Japan twenty five years ago; which includes a student exchange program. He added the Mayor from Muko, Japan would be a member of the delegation scheduled to arrive on Thursday.

Vice Mayor King invited everyone to participate in the “Turkey Trot” competition in downtown San Jose on the morning of Thanksgiving Day.

CEREMONIAL ITEMS

None

SPECIAL PRESENTATIONS

None

CONSENT CALENDAR

1. REVIEW OF ACCOUNTS PAYABLE REGISTERS

STAFF RECOMMENDATION:

That the City Council accepts the Check Registers for Accounts Payable cycles:
October 15, 2009
October 22, 2009

MILLER/HUNTER MOVED TO ACCEPT THE CHECK REGISTERS FOR ACCOUNTS PAYABLE CYCLES: OCTOBER 15, 2009 AND OCTOBER 22, 2009. MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

2. **TREASURER'S REPORT FOR THE MONTH ENDED SEPTEMBER 30, 2009**

STAFF RECOMMENDATION:

Review and accept the Treasurer's Report for the month ended September 30, 2009.

MILLER/HUNTER MOVED TO **ACCEPT THE TREASURER'S REPORT FOR THE MONTH ENDED SEPTEMBER 30, 2009.** MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

3. **FINAL MAP APPROVAL FOR TWO LOTS LOCATED AT 15211 HUME DRIVE**

STAFF RECOMMENDATION:

Move to adopt Resolution granting final map approval of tentative map application No. SUB 09-0001 for two lots located at 15211 Hume Drive.

RESOLUTION NO. 09-056

MILLER/HUNTER MOVED TO **ADOPT RESOLUTION GRANTING FINAL MAP APPROVAL OF TENTATIVE MAP APPLICATION NO. SUB 09-0001 FOR TWO LOTS LOCATED AT 15211 HUME DRIVE.** MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

4. **FY 2009 – 2010 CDBG COUNTY/CITY CONTRACT**

STAFF RECOMMENDATION:

Adopt a Resolution authorizing the City Manager to execute a \$464,069.77 contract with Santa Clara County for the FY 2009-2010 CDBG Program.

RESOLUTION NO. 09-057

MILLER/HUNTER MOVED TO **ADOPT A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE A \$464,069.77 CONTRACT WITH SANTA CLARA COUNTY FOR THE FY 2009/2010 CDBG PROGRAM.** MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

5. **UPDATE OF SARATOGA'S LOCAL HAZARD MITIGATION PLAN (LHMP) MATRICES PURSUANT TO THE DISASTER MITIGATION ACT OF 2000**

STAFF RECOMMENDATION:

Authorize the City Manager to submit the attached updated mitigation matrices to the Association of Bay Area Governments (ABAG) and the Federal Emergency Management Agency (FEMA) for their preliminary review and comment.

MILLER/HUNTER MOVED TO **AUTHORIZE THE CITY MANAGER TO SUBMIT THE UPDATED MITIGATION MATRICES TO THE ASSOCIATION OF BAY AREA GOVERNMENTS (ABAG) AND THE FEDERAL EMERGENCY MANAGAEMENT AGENCY (FEMA) FOR THEIR PRELIMINARY REVIEW AND COMMENT.** MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

PUBLIC HEARINGS

6. APPEAL OF A TREE REMOVAL PERMIT (TRP09-0222).

STAFF RECOMMENDATION:

Staff recommends that the City Council uphold the Planning Commission decision denying the appeal and allowing the removal of four oak trees. The attached resolution would make removal subject to all the Planning Commission conditions, including a provision that work may not proceed if a court has determined that the Applicant may not remove trees within the easement.

City Arborist Kate Bear presented the staff report regarding the appeal of a tree removal permit on Via Regina Drive.

Max Keyashian, appellant, addressed the Council requesting that they deny the Planning Commission's decision allowing the removal of four oak trees at 21818 Via Regina.

Linda Yelavich, applicant, addressed the Council asking that they uphold the Planning Commission's decision granting removal of four oak trees at 21818 Via Regina.

Mayor Page opened the public hearing for comment.

No one requested to speak on this item.

Mayor Page closed the public hearing comment.

Mr. Kayeshian re-addressed the Council asking Council to deny the Planning Commission's decision to allow removal of four oak trees at 21818 Via Regina.

Linda Yelavich re-addressed the Council asking Council to uphold the Planning Commission's decision.

Councilmember Hunter noted she supported the appellant opposing the Planning Commission's decision to allow the removal of four oak trees.

RESOLUTION NO. 09-058

MILLER/KING MOVED TO **UPHOLD THE PLANNING COMMISSION'S DECISION APPROVING APPLICATION NO. TRP 09-0222 FOR THE REMOVAL OF FOUR COAST LIVE OAK TREES AT 21818 VIA REGINA; AND TO ADOPT THE RESOLUTION WHICH WOULD MAKE REMOVAL SUBJECT TO ALL THE PLANNING COMMISSION CONDITIONS, INCLUDING A PROVISION THAT WORK MAY NOT PROCEED IF A COURT HAS DETERMINED THAT THE APPLICANT MAY NOT REMOVE TREES WITHIN THE EASEMENT.** MOTION PASSED 3-1-1 WITH COUNCILMEMBER HUNTER OPPOSING AND COUNCILMEMBER NAGPAL ABSENT.

OLD BUSINESS

7. HERRIMAN AVENUE PEDESTRIAN WALKWAY AND BICYCLE LANE REVIEW

STAFF RECOMMENDATION:

Receive report and provide direction to staff

Public Works Director John Cherbone presented the staff report.

Franziska Church and Sohrab Rashid, Traffic Engineers from Fehr & Peers, provided additional data regarding pedestrian and bicycle lane options on Herriman Avenue and noted they recommended Options 1 or 3.

Mayor Page invited public comment.

The following people requested to speak on this item:

Carl Dwjta stated option 3 was probably the most ideal for the majority of the residents; however he was in support of Option 4.

Marilyn Foust stated a sidewalk was installed on a street that wasn't made to accommodate a sidewalk. She noted she receives complaints from the postman and noted she would like an option where there is a buffer and not to keep Herriman the way it is now.

Minggui Pan noted he does not support Option 2 as it would benefit only one or two residents and the chosen option should benefit the majority of the residents.

Bob Dimicco noted he supports Option 1.

Annette Cozimek stated she supports Option 4.

No one else requested to speak on this item.

Mayor Page closed the public comment.

KING/MILLER MOVED TO APPROVE OPTION 1: KEEP CURRENT CONFIGURATION OF HERRIMAN AVENUE. CREATE RAISED PEDESTRIAN WALKWAY BY FILLING IN BETWEEN THE ASPHALT BERM AND CONCRETE CURB. MOTION PASSED 3-1-1 WITH COUNCILMEMBER HUNTER OPPOSING AND COUNCILMEMBER NAGPAL ABSENT.

NEW BUSINESS

8. STATUS OF JANUARY 6, 2010 COUNCIL MEETING

STAFF RECOMMENDATION:

Consider cancelling the meeting of January 6, 2010.

City Clerk Ann Sullivan presented the staff report.

PAGE/KING MOVED TO **CANCEL THE JANUARY 6, 2010 COUNCIL MEETING.** MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

ADHOC & AGENCY ASSIGNMENT REPORTS

Mayor Chuck Page – reported:

Valley Transportation Authority PAC – meets Thursday evening and may vote on a couple items: Reorganization of small city groupings – specifically whether or not to add Milpitas to Sunnyvale and Santa Clara; and Governances – how the five small city representatives are appointed to the board. He noted VTA may be looking at additional employee layoffs due to the downturn in the economy and reduced ridership.

Vice Mayor Kathleen King – reported:

West Valley Flood Control Zone & Watershed Advisory Committee – suggested Council reconsider this committee as they only schedule four meetings a year and feels the meetings have not been very productive overall.

SSC Cities Association Executive Board – will meet next Thursday and noted the Cities Association will have “California Forward” come in to talk about the future Initiatives, such as the City of San Jose’s efforts to ban plastic bags, CDC grants of \$376 million dollars that are available to the County Health Departments and only 40 grants will be given out. These grants will be applied to improving access to community exercise programs, quitting smoking, and general health plan coverage’s. She reminded Council of the annual Christmas Party on December 3, 2009.

Councilmember Jill Hunter – reported:

Thanked KSAR for always attending every city function and for interviewing people.

Library Joint Powers Association – she attended the County Library meeting and noted they will be conducting a survey of people that do not have library cards; adding that only 45% of Saratogans have a library card. She stated their goal is to increase the number of library cards and circulation as this is what determines how much funding the Saratoga Library receives. She added Saratoga was recognized for their donation of \$50K to the library. She thanked the Friends of the Library group for their continued fund raising efforts.

Santa Clara County Valley Water District Commission – she attended the last meeting; they discussed the new changes that will be effective January 1, 2010 and stated the District’s goal is to have people cut back 20% in their water usage. She noted the County in general has reduced water usage by 15%.

Councilmember Howard Miller – reported: he attended the HTC Policy Committee meeting as an alternate and noted there are two items Council will want to be aware of regarding CDBG Grants. He stated the downturn in the economy has caused the County to look for ways to minimize the cost of their programs. For 2011 the County will try to limit the amount of administrative overhead for public service grants by considering having fewer grants at a larger amount. In addition they are considering retaining about

\$15,000 of administrative dollars that normally the City would use to administer the programs to help fund their services.

Chamber of Commerce – has moved into their new office on Big Basin; facility is open for business; and they expressed their appreciation to the city for waiving the CUP fee.

KSAR – is looking at spending some of the PEG capital dollars to purchase some video editing stations.

Santa Clara County Emergency Council – will be attending the meeting on Thursday.

Council Finance Standing Committee – met earlier today and noted Council did receive an updated Financial Report. He added the new computer software system is now able to generate reports for current revenue and expense by quarter, versus by budget. He stated expenses are below what was expected at this point – which is good; and revenue is difficult to determine as it is very seasonal, e.g. property tax dollars, which will be coming later in the fiscal year and those tax dollars are at where we expected them; and the Building Department has been issuing a lot of building permits, however, due to the economy not as many projects are coming in right now.

Councilmember Susie Nagpal – Excused Absence.

CITY COUNCIL ITEMS

Councilmember Miller noted the Boy Scouts of Troop 535 will be conducting their City-wide E-Waste Recycling in January and would like to attend the first meeting in December to provide additional information on this program.

Mayor Page stated Troop 535 members could speak during the Non-agendized portion of the Council Agenda on December 2, 2009, and they could lead the Pledge of Allegiance.

Councilmember Hunter provided Council with copies of an article in the Saratoga News 15 years ago regarding trees and noted she would provide City Arborist Kate Bear with one as well.

Mayor Page announced that as a result of the Joint Meeting held earlier with the Saratoga Ministerial Association he would like to agendize the addition of a new Council assignment for a council liaison to the Ministerial Association.

City Manager Dave Anderson reported that SASCC wanted to convey their appreciation of the City's participation in the recent shredding of documents; they conducted a successful Health Faire providing seasonal flu shots recently; and SASCC members are in the process of selecting an investment advisor. Their investment committee is conducting interviews to acquire a firm to assist SASCC with their portfolio. Councilmember Hunter noted she will be attending future SASCC meeting and inquired about the SASCC schedule.

City Manager Dave Anderson stated he would have Debbie Bretschneider contact her regarding the SASCC meeting schedule.

City Attorney Richard Taylor noted he is unable to attend the November 18, 2009 Council meeting and Assistant City Attorney Jonathan Wittwer would be attending in his absence.

CITY MANAGER'S REPORT

City Manager Dave Anderson noted he would like Council's permission to leave the state during the week of Thanksgiving.

Council extended their approval for Mr. Anderson to leave the state during the week of Thanksgiving.

Council Hunter noted Council members and staff were wearing white ribbons in honor of Susie Nagpal and wished her a speedy recovery.

ADJOURNMENT

There being no additional business Mayor Page asked for a motion to adjourn.

KING/HUNTER MOVED TO **ADJOURN THE REGULAR MEETING AT 9:25PM.**
MOTION PASSED 4-0-1 WITH COUNCILMEMBER NAGPAL ABSENT.

Respectfully submitted,

Ann Sullivan, CMC
City Clerk

Bartshire, Corinne

From: Barbara Powell [bpowell@saratoga.ca.us]
Sent: Tuesday, April 12, 2011 4:53 PM
To: Barbara Powell; Bartshire, Corinne
Subject: Clty of Saratoga Draft Hazard Mitigation Plan
Attachments: Saratoga Hazard Mitigation Plan Draft.pdf

Good afternoon,

Attached for your review and comments is the Draft Hazard Mitigation Plan for the City of Saratoga.

We appreciate your interest in disaster planning and preparedness and welcome your comments and suggestions.

Sincerely,

Barbara A. Powell
Assistant City Manager
City of Saratoga
(408) 868-1215

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Tucked away in the foothills of the Santa Cruz Mountains, Saratoga is a lovely residential community with a small-town feel. The City is well known for its excellent schools, fine dining, unique shops, and distinctive cultural institutions. Saratoga offers a high quality of life to its residents and a chance to escape the hustle of Silicon Valley.



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CITY NEWS

2011 Arbor Day - April 22 at 3:30 p.m.

4/13/2011 Celebrate Saratoga's trees this Arbor Day on April 22, 2011 at 3:30 p.m. in [Foothill Park](#)! Enjoy refreshments, live music, help plant a tree, learn more about trees in your community, and take home compost and a free sapling! ([Event Flyer](#)) [More...](#)

Saratoga Pet Parade - April 16, 2011

4/13/2011 Don't miss the Saratoga Pet Parade on Saturday, April 16th at the [Saratoga Village Center](#)! Enter your pet in the contest, win prizes, and enjoy the parade! The parade begins at 11:00 a.m. Pet owners can enter the contest from 9:30 a.m. - 10:00 a.m. and judging and awards will take place from 10:00 a.m. - 11:00 a.m. Early registration is available. [More...](#)

City's 2011 Local Hazard Mitigation Plan 2011 Available for Public Review and Comment

4/12/2011 The City of Saratoga has participated with Santa Clara County in updating its Local Hazard Mitigation Plan. The purpose of the plan is to review potential natural disasters (e.g. fire, flooding, earthquake) that could occur in Saratoga and to identify strategies that can be taken to lessen and/or eliminate impacts that...



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NEWS DETAILS



City's 2011 Local Hazard Mitigation Plan 2011 Available for Public Review and Comment

The City of Saratoga has participated with Santa Clara County in updating its Local Hazard Mitigation Plan. The purpose of the plan is to review potential natural disasters (e.g. fire, flooding, earthquake) that could occur in Saratoga and to identify strategies that can be taken to lessen and/or eliminate impacts that could happen if a disaster took place. The plan also reviews City-owned facilities (e.g. buildings and park facilities) to determine whether they are vulnerable to damage in the event of a natural disaster.

The review draft of the City of Saratoga Annex is now available for comment. Your comments and questions may be directed to:

Barbara Powell, Assistant City Manager 408-868-1215 or bpowell@saratoga.ca.us; or

Corinne Bartshire, at 415-295-7116 or cbartshire@dewberry.com

Thank you for your review and input!

([Local Hazard Mitigation Plan](#))

21.7.2 Saratoga Attachment 2: Saratoga Strategies 2010

The City of Saratoga participated in ABAG's revision of the regional strategies for development of this annex. Appendix G of Taming Natural Hazards presents a summary list of mitigation strategies with regional priorities and the hazards mitigated. The City ranked those strategies in a spreadsheet provided by ABAG. This is a summary of those rankings.

JURISDICTION: Saratoga

Strategy	Priority	Responsible Agency or Department	Comments
ECON-a-1	NYC		
ECON-a-2	NYC		
ECON-b-1	Existing	Community Development Department	
ECON-b-2	Existing	Community Development Department	Ord. 256-2008 2007 California Building Code
ECON-b-3	Existing	Community Development Department	
ECON-b-4	Existing Underfunded	Community Development Department	
ECON-b-5	NYC		
ECON-b-6	NYC		
ECON-b-7	NYC		
ECON-b-8	Moderate	Community Development Department	
ECON-b-9	Under Study		
ECON-c-1	Existing	Community Development Department	
ECON-c-2	Existing		All unreinforced masonry buildings in Saratoga have been retrofitted.
ECON-c-3	NYC		
ECON-c-4	NYC		
ECON-d-1	n/a		These buildings do not currently exist in Saratoga
ECON-d-2	Existing		Ord. 256-2008 2007 California Building Code
ECON-d-3	NYC		
ECON-e-1	Existing	Saratoga Fire Protection District & Santa Clara County Fire Department	
ECON-e-2	Existing	Saratoga Fire Protection District & Santa Clara County Fire Department	
ECON-e-3	Existing	Community Development Dept., Saratoga Fire Protection District & Santa Clara County Fire Department	
ECON-e-4	Existing	Community Development Dept., Saratoga Fire Protection District & Santa Clara County Fire Department	Ord. 256-2008 2007 California Building Code & 2007 California Fire Code
ECON-e-5	Existing	Community Development Dept., Saratoga Fire Protection District & Santa Clara County Fire Department	
ECON-e-6	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
ECON-e-7	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
ECON-e-8	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
ECON-e-9	n/a		Saratoga does not have any high-rise/high-occupancy buildings.
ECON-e-10	Existing		
ECON-e-11	Moderate		
ECON-e-12	Existing		
ECON-e-13	Existing Underfunded		
ECON-f-1	Existing	Santa Clara Valley Water District	
ECON-f-2	Existing	Community Dev. Department	

ECON-f-3	Existing	Community Development Department	
ECON-f-4	Existing	Public Works Department	
ECON-f-5	Existing	Public Works Department	
ECON-f-6	Existing	Public Works Department	Ord. 71-167
ECON-f-7	NYC		
ECON-f-8	NYC		
ECON-f-9	NYC		
ECON-g-1	Existing	Community Development Department	Ord. 71-193 & 215-2002
ECON-g-2	Existing Underfunded		
ECON-h-1	Existing	Community Development Department	Ord. 256-2008 2007 California Building Code
ECON-h-2	Existing	Community Development Department	
ECON-h-3	Existing Underfunded		
ECON-i-1	NYC		
ECON-i-2	NYC		
ECON-i-3	NYC		
ECON-i-4	NYC		
ECON-i-5	Moderate	Community Development Department	
ECON-i-6	Existing Underfunded		
ECON-j-1	Existing		
ECON-j-2	Existing Underfunded		
ECON-j-3	NYC		
ECON-j-4	Existing Underfunded		
ECON-j-5	Existing Underfunded		
ECON-j-6	Existing Underfunded		
ECON-j-7	Existing		
ECON-j-8	Existing	Public Works Department	The City maintains our own storm drain system.
ECON-j-9	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
ECON-j-10	NYC		
ECON-j-11	n/a		The City is in agreement with this strategy; however, we are not the lead in its implementation.
ECON-j-12	n/a		
ECON-j-13	Existing	Admin./Emerg. Prep.; Santa Clara County Fire Department	
EDUC-a-1	n/a	School Districts (Saratoga is served by several)	The City is a separate entity from the school districts.
EDUC-a-2	n/a	School Districts (Saratoga is served by several)	The City is a separate entity from the school districts.
EDUC-a-3	n/a	School Districts (Saratoga is served by several)	The City is a separate entity from the school districts.
EDUC-a-4	n/a	School Districts (Saratoga is served by several)	The City is a separate entity from the school districts.
EDUC-a-5	n/a	School Districts (Saratoga is served by several)	The City is a separate entity from the school districts.
EDUC-a-6	Existing Underfunded		
EDUC-b-1	Existing		
EDUC-b-2	Existing		

EDUC-b-3	Existing		
EDUC-c-1	Existing		
EDUC-c-2	Existing		
EDUC-c-3	NYC		
EDUC-c-4	NYC		
EDUC-c-5	Existing		
EDUC-c-6	n/a	School Districts (Saratoga is served by several)	The City is a separate entity from the school districts.
EDUC-c-7	NYC		
EDUC-d-1	NYC		
EDUC-d-2	NYC		
ENVI-a-1	Existing	Community Development Department	
ENVI-a-2	Existing		The City contracts with the Sheriff and works with Fire agencies on these strategies.
ENVI-a-3	Existing	Community Development Department	
ENVI-a-4	Under Study		
ENVI-a-5	n/a	Santa Clara Valley Water District	
ENVI-a-6	Existing	Community Development & Public Works Departments	
ENVI-a-7	Existing	Community Development & Public Works Departments	
ENVI-a-8	n/a		
ENVI-a-9	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
ENVI-a-10	Existing		
ENVI-a-11	Existing	Facilities Division	
ENVI-a-12	Existing Underfunded	Saratoga Fire Protection District & Santa Clara County Fire Department	
ENVI-a-13	Existing Underfunded	Santa Clara Valley Water District	
ENVI-b-1	Existing		
ENVI-b-2	Existing Underfunded		
ENVI-b-3	Existing Underfunded		
ENVI-b-4	Existing Underfunded		
ENVI-b-5	Existing Underfunded		
ENVI-b-6	Existing Underfunded		
ENVI-b-7	Existing Underfunded		
ENVI-b-8	Existing Underfunded		
ENVI-b-9	Existing Underfunded		
ENVI-b-10	Existing Underfunded		
ENVI-b-11	Existing Underfunded		
ENVI-b-12	Existing Underfunded		
ENVI-b-13	Existing Underfunded		
ENVI-c-1	Moderate		
ENVI-c-2	n/a		
ENVI-c-3	n/a		
GOVT-a-1	Existing Underfunded	Facilities Division	
GOVT-a-2	Existing Underfunded	Facilities Division	
GOVT-a-3	Existing		

GOVT-a-4	Existing Underfunded	Facilities Division	
GOVT-a-5	Existing		
GOVT-a-6	NYC	Information Technology Division	
GOVT-a-7	Moderate	Facilities Division	
GOVT-a-8	n/a		The City does not own any dams.
GOVT-a-9	Existing	Facilities Division	
GOVT-a-10	Existing	Community Development Department	
GOVT-a-11	Existing	Community Development Department	
GOVT-a-12	Existing	Facilities Division	
GOVT-a-13	Existing	Community Development Department	
GOVT-b-1	Existing	Emergency Preparedness Coordinator, City Manager's Office	
GOVT-b-2	Existing Underfunded	Emergency Preparedness Coordinator, City Manager's Office	
GOVT-b-3	Existing		
GOVT-b-4	Existing Underfunded	Information Technology Division & Emergency Preparedness Coordinator	
GOVT-b-5	Existing Underfunded		
GOVT-c-1	Existing	Emergency Preparedness Coordinator	
GOVT-c-2	Existing	Emergency Preparedness Coordinator	
GOVT-c-3	Existing Underfunded	Emergency Preparedness Coordinator	
GOVT-c-4	Existing	Saratoga Fire Protection District & Santa Clara County Fire Department	
GOVT-c-5	Existing	Saratoga Fire Prot. Dist., Santa Clara County Fire Dept., & Sheriff's Office	
GOVT-c-6	Existing Underfunded	Saratoga Fire Prot. Dist., Santa Clara County Fire Dept., & Sheriff's Office	
GOVT-c-7	Existing Underfunded		
GOVT-c-8	Existing Underfunded		
GOVT-c-9	NYC	Public Works Department	
GOVT-c-10	Existing Underfunded		
GOVT-c-11	Existing Underfunded		
GOVT-c-12	Existing		
GOVT-c-13	Existing		
GOVT-c-14	NYC		
GOVT-c-15	NYC		
GOVT-c-16	Existing	Community Development Department	
GOVT-c-17	Existing	Saratoga Fire, Santa Clara County Fire, Sheriff's Office	
GOVT-c-18	n/a		The City is in agreement with this strategy; however, we do not have the lead in its implementation.
GOVT-c-19	Existing Underfunded	Sheriff's Office	
GOVT-c-20	Existing Underfunded	Santa Clara Valley Water District	
GOVT-c-21	n/a		The City is in agreement with this strategy; however, we do not have the lead in its implementation.

GOVT-c-22	Existing		
GOVT-c-23	Existing	Santa Clara Valley Water District	
GOVT-c-24	n/a		
GOVT-c-25	Existing Underfunded		
GOVT-d-1	Existing		Participation in Santa Clara County Emergency Managers Association
GOVT-d-2	Existing		
GOVT-d-3	Very High	Santa Clara Valley Water District	
GOVT-d-4	Existing	Santa Clara Valley Water District	
GOVT-d-5	Existing		
GOVT-d-6	Existing Underfunded	Saratoga Fire Protection District & Santa Clara County Fire Department	
GOVT-d-7	n/a		The City is in agreement with this strategy; however, we do not have the lead in its implementation.
GOVT-d-8	Existing		
GOVT-d-9	Existing Underfunded		
GOVT-d-10	NYC		
GOVT-e-1	Existing Underfunded		
GOVT-e-2	Existing Underfunded		
HEAL-a-1	Existing Underfunded	Community Development Department	
HEAL-a-2	n/a	Santa Clara County Public Health Department	
HEAL-a-3	Existing	Santa Clara County Public Health Department	
HEAL-a-4	Existing	Santa Clara County Public Health Department	
HEAL-a-5	Existing Underfunded	Santa Clara County Public Health Department	
HEAL-a-6	n/a	Santa Clara County Public Health Department	
HEAL-a-7	n/a	Santa Clara County Public Health Department	
HEAL-b-1	High		
HEAL-b-2	High		
HEAL-b-3	High		
HEAL-c-1	Existing	Santa Clara County Public Health Department	The City is working with the Health Department to implement this strategy.
HEAL-c-2	n/a	Santa Clara County OES; Santa Clara County Fire Department	
HEAL-c-3	n/a	Santa Clara County OES; Santa Clara County Public Health Department	
HEAL-c-4	n/a	Santa Clara County Public Health Department	
HEAL-c-5	n/a	Santa Clara County Environmental Health Department	
HEAL-c-6	n/a	Santa Clara County Environmental Health Department	
HSNG-a-1	NYC		
HSNG-a-2	NYC		

HSNG-a-3	Existing		
HSNG-a-4	Under Study		
HSNG-b-1	Existing	Community Development Department	
HSNG-b-2	Existing	Community Development Department	
HSNG-b-3	Existing	Community Development Department	
HSNG-b-4	Existing	Community Development Department	
HSNG-b-5	Existing	Community Development Department	
HSNG-b-6	n/a		The City is in agreement with this strategy; however, we do not have the lead role in its implementation.
HSNG-b-7	Existing Underfunded		
HSNG-b-8	n/a		The City is in agreement with this strategy; however, we do not have the lead role in its implementation.
HSNG-b-9	n/a		
HSNG-c-1	Existing	Community Development Department	
HSNG-c-2	Existing	Community Development Department	Ord. 256-2008 2007 California Building Code
HSNG-c-3	Existing	Community Development Department	
HSNG-c-4	Existing Underfunded	Community Development Department	
HSNG-c-5	NYC		
HSNG-c-6	NYC		
HSNG-c-7	NYC		
HSNG-c-8	Moderate		
HSNG-c-9	Under Study		
HSNG-d-1	Existing		
HSNG-d-2	Existing		All unreinforced masonry buildings in Saratoga have been retrofitted
HSNG-d-3	NYC		
HSNG-d-4	NYC		
HSNG-e-1	n/a		There are no mobile homes in Saratoga.
HSNG-e-2	n/a		These categories of structures do not currently exist in Saratoga.
HSNG-e-3	Existing		Ord. 256-2008 2007 California Building Code
HSNG-e-4	NYC		
HSNG-f-1	Existing	Community Development Department	Ord. 256-2008 2007 California Building Code
HSNG-f-2	Existing	Community Development Department	
HSNG-g-1	Existing	Saratoga Fire Protection District & Santa Clara County Fire Department	
HSNG-g-2	Existing	Saratoga Fire Protection District & Santa Clara County Fire Department	
HSNG-g-3	Existing	Community Development Dept., Saratoga Fire Protection District & Santa Clara County Fire Department	Ord. 256-2008 2007 California Building Code & 2007 California Fire Code
HSNG-g-4	Moderate		
HSNG-g-5	Existing	Community Development Department	
HSNG-g-6	Existing	Community Dev. Dept., Saratoga Fire Protection District & Santa Clara	Ord. 256-2008 2007 California Building Code & 2007 California Fire

		County Fire Department	Code
HSNG-g-7	Existing	Community Development Dept., Saratoga Fire Protection District & Santa Clara County Fire Department	
HSNG-g-8	Existing Underfunded	Saratoga Fire, Santa Clara County Fire, SC Valley Water District	
HSNG-g-9	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-g-10	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-g-11	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-g-12	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	Ord. 256-2008 2007 California Building Code & 2007 California Fire Code
HSNG-g-13	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	Ord. 256-2008 2007 California Building Code & 2007 California Fire Code
HSNG-g-14	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	Ord. 256-2008 2007 California Building Code & 2007 California Fire Code
HSNG-g-15	n/a		Saratoga does not have any high- rise/high-occupancy buildings.
HSNG-g-16	Existing		
HSNG-g-17	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-g-18	Existing	Community Development Department	Ord. 256-2008 2007 California Building Code & 2007 California Fire Code
HSNG-g-19	Moderate		
HSNG-g-20	Existing Underfunded		
HSNG-h-1	Existing	Santa Clara Valley Water District	
HSNG-h-2	Existing	Community Dev. Department	
HSNG-h-3	Existing	Community Development Department	
HSNG-h-4	Existing	Public Works Department	
HSNG-h-5	Existing	Public Works Department	
HSNG-h-6	Existing	Public Works Department	Ord. 71-167
HSNG-h-7	Existing	Public Works Department	Ord. 71-167
HSNG-h-8	NYC		
HSNG-h-9	Moderate		
HSNG-h-10	NYC		
HSNG-i-1	Existing	Community Development Department	Ord 71-193 & Ord. 215-2002
HSNG-i-2	Existing Underfunded		
HSNG-j-1	Moderate	Community Development Department	
HSNG-j-2	NYC		
HSNG-k-1	Existing	Community Development Department	
HSNG-k-2	Existing Underfunded		
HSNG-k-3	Existing	Community Development Department	
HSNG-k-4	n/a		The City is in agreement with this strategy; however, we are not the lead in its implementation.
HSNG-k-5	Existing		

HSNG-k-6	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-k-7	Existing Underfunded		
HSNG-k-8	Existing Underfunded	Santa Clara County Sheriff's Office	
HSNG-k-9	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-k-10	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-k-11	NYC		
HSNG-k-12	Existing		
HSNG-k-13	Existing	Public Works Department	
HSNG-k-14	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
HSNG-k-15	n/a		
HSNG-k-16	Existing	Admin., Emergency Preparedness; Santa Clara County Fire Department	
INFR-a-1	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-a-2	n/a		The City does not own any dams.
INFR-a-3	Existing	Public Works Department	
INFR-a-4	Existing Underfunded	Public Works Department	
INFR-a-5	Existing	Public Works Department	
INFR-a-6	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-a-7	Existing	Public Works Department	
INFR-a-8	Existing Underfunded	Facilities Division	
INFR-a-9	Existing Underfunded	Public Works Department	
INFR-a-10	Existing Underfunded	Public Works Department	
INFR-a-11	n/a	Public Works Department	
INFR-a-12	Existing	Public Works Department	The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-a-13	n/a		The City does not own any dams.
INFR-a-14	Existing	City Manager's Office; Emergency Preparedness Coordinator	
INFR-a-15	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
INFR-a-16	Existing Underfunded	City Manager's Office; Emergency Preparedness Coordinator	
INFR-a-17	n/a	MTC	
INFR-a-18	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-a-19	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-a-20	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-a-21	Existing Underfunded	City Manager's Office; Emergency	

Preparedness Coordinator

INFR-a-22	NYC		
INFR-b-1	Existing	Public Works Department	
INFR-b-2	Existing Underfunded		
INFR-b-3	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-b-4	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-b-5	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-b-6	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-b-7	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-b-8	Existing	Public Works Department & Facilities Division	
INFR-b-9	NYC		
INFR-b-10	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-c-1	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
INFR-c-2	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
INFR-c-3	Existing Underfunded	Saratoga Fire Protection District and Santa Clara County Fire Department	
INFR-c-4	Existing	Public Works Department	
INFR-c-5	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
INFR-c-6	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
INFR-c-7	Existing	SFPD and SCCFD	
INFR-c-8	Existing Underfunded	Public Works Department	
INFR-d-1	Existing Underfunded	Santa Clara Valley Water District	
INFR-d-2	Existing Underfunded	Santa Clara Valley Water District	
INFR-d-3	Existing Underfunded	Santa Clara Valley Water District	
INFR-d-4	Existing	Public Works Department	
INFR-d-5	Existing Underfunded	Santa Clara Valley Water District	
INFR-d-6	Existing Underfunded	Public Works Department	
INFR-d-7	Existing Underfunded	Public Works Department	
INFR-d-8	Existing Underfunded	Public Works Department	
INFR-d-9	Existing Underfunded	Santa Clara Valley Water District	
INFR-d-10	n/a	Santa Clara Valley Water District	
INFR-d-11	Existing Underfunded	Public Works Department	
INFR-d-12	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.

INFR-d-13	Existing	Public Works Department	
INFR-d-14	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-d-15	Existing Underfunded	Public Works Department	
INFR-d-16	Existing	Public Works Department	
INFR-d-17	n/a	Santa Clara Valley Water District	
INFR-d-18	n/a	Santa Clara Valley Water District	
INFR-e-1	n/a		
INFR-e-2	Existing	Community Development Department	Ord. 71-113
INFR-f-1	n/a		The City is in agreement with this strategy; however, we do not have a lead role in its implementation.
INFR-g-1	Existing		
INFR-g-2	Existing		
INFR-g-3	Existing		
INFR-g-4	Existing		
INFR-g-5	Existing		
INFR-g-6	NYC	City Manager's Office, Emergency Preparedness Coordinator	
INFR-g-7	Existing		
LAND-a-1	Existing	Community Development Department	Ord. 221-2003
LAND-a-2	Existing	Community Development Department	Ord. 221-2003
LAND-a-3	Existing	Community Development Department	
LAND-a-4	Under Study		
LAND-a-5	Under Study		
LAND-a-6	Existing	Community Development Department	
LAND-a-7	Existing	Community Development Department	
LAND-a-8	Existing	Community Development Department	Municipal Code Section 16-65.040
LAND-b-1	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
LAND-b-2	Existing	Saratoga Fire Protection District and Santa Clara County Fire Department	
LAND-c-1	Existing	Community Development Department	Ord. 71-167
LAND-c-2	Existing	Public Works Department	
LAND-c-3	Existing	Public Works Department	
LAND-c-4	Existing	Public Works Department	Ord. 71-167
LAND-c-5	Very High		
LAND-c-6	Very High		
LAND-d-1	Existing	Community Development Department	Ord. 71-193 & Ord. 215-2002
LAND-d-2	Existing	Community Development Department	
LAND-d-3	Existing	Community Development Department	Ord. 71-193 & Ord. 215-2002
LAND-d-4	Existing	Community Development and Public Works Departments	
LAND-d-5	Existing	Community Development Department	Ord. 71-113
LAND-e-1	Existing	Community Development Department	
LAND-e-2	Existing	Community Development Department	
LAND-f-1	n/a		
LAND-f-2	n/a		

[LAND-f-3](#) Existing
[LAND-f-4](#) NYC
[LAND-f-5](#) n/a
[LAND-g-1](#) n/a

Source: Association of Bay Area Governments, 2009.

21.7.3 Saratoga Attachment 3: Saratoga Exposure Analysis

This list includes all information on Saratoga’s critical facilities and identifies which of the City’s critical facilities are located in the mapped hazard areas.

ID	Critical Facility	Address	Type	Occupancy	Own/Lease	Structure Type
15	MUSEUM	20450 SARATOGA AVE	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
9	CONCESSION/RSTRM	12970 GLEN BRAE DR	N/A	N/A	own	Reinforced masonry with rigid floor and roof
6	PRK/RSTRM/SNKBR	12970 GLEN BRAE DR	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
2	RESTROOM	20764 FOURTH ST	N/A	N/A	own	Reinforced masonry with rigid floor and roof
11	MODULAR A	13777 FRUITVALE AVE	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
12	WARNER HUTN BLDG	13777 FRUITVALE AVE	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
13	CITY HALL/NEW WING	13777 FRUITVALE AVE	N/A	N/A	own	Wood-frame building > 5,000 SQFT
14	THEATER	13777 FRUITVALE AVE	N/A	N/A	own	Wood-frame building > 5,000 SQFT
7	CONG SPR STRG	12970 GLEN BRAE DR	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
8	CONGSPR SCRKEEP	12970 GLEN BRAE DR	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
26	N. CAMPUS FELLOWSHIP	19848 PROSPECT ROAD	N/A	N/A	own	Wood-frame building > 5,000 SQFT
25	N. CAMPUS ADMIN BLDNG	19848 PROSPECT ROAD	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
19	CARETAKER CTAGE	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
20	PUMPHOUSE	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
23	CULTURAL EXCHANG	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
24	HAKONE PK OFFICE	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
16	MAIN HOUSE/PARK	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
17	GRDN PRK/EXHIBIT	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
3	COMMUNITY CNTR	19655 ALLENDALE AVE	N/A	N/A	own	Wood-frame building > 5,000 SQFT
4	CORP YARD	19700 ALLENDALE AVE	N/A	N/A	own	Light metal frame
18	RESTROOM	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
21	STORAGE BLDG	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
22	GARAGE/GIFT SHOP	21000 BIG BASIN WAY	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
1	OLD LIBRARY	14410 OAK STREET	N/A	N/A	own	Light wood-frame building <= 5,000 SQFT
10	CITY HALL	13777 FRUITVALE AVE	N/A	N/A	own	Wood-frame building > 5,000 SQFT
5	LIBRARY	13650 SARATOGA AVE	N/A	N/A	own	Wood-frame building > 5,000 SQFT
27	FIRE STATION/ADMIN OFF.	14380 SARATOGA AVE	N/A	128	own	Reinforced masonry with flexible floor and roof

ID	Critical Facility	Structure Information	Irregularities-Plan View	Irregularities-Vertical	Structural Assessment	Retrofit
15	MUSEUM	N/A	Regular	Regular	N/A	no
9	CONCESSION/RSTRM	N/A	Regular	Regular	N/A	no
6	PRK/RSTRM/SNKBR	N/A	Regular	Regular	N/A	no
2	RESTROOM	N/A	Regular	Regular	no	no
11	MODULAR A	N/A	Regular	Regular	N/A	no
12	WARNER HUTN BLDG	N/A	Regular	Regular	N/A	no
13	CITY HALL/NEW WING	N/A	Regular	Regular	N/A	yes
14	THEATER	N/A	Regular	Regular	N/A	no
7	CONG SPR STRG	N/A	Regular	Regular	N/A	no
8	CONGSPR SCRKEEP	N/A	Regular	Regular	N/A	no

ID	Critical Facility	Structure Information	Irregularities-Plan View	Irregularities-Vertical	Structural Assessment	Retrofit
26	N. CAMPUS FELLOWSHIP	N/A	Irregular	Regular	N/A	no
25	N. CAMPUS ADMIN BLDNG	N/A	Regular	Regular	N/A	no
19	CARETAKER CTAGE	N/A	Regular	Regular	N/A	no
20	PUMPHOUSE	N/A	Regular	Regular	N/A	no
23	CULTURAL EXCHANG	N/A	Regular	Regular	N/A	no
24	HAKONE PK OFFICE	N/A	Regular	Regular	N/A	no
16	MAIN HOUSE/PARK	N/A	Regular	Regular	N/A	no
17	GRDN PRK/EXHIBIT	N/A	Regular	Regular	N/A	no
3	COMMUNITY CNTR	N/A	Regular	Regular	N/A	yes
4	CORP YARD	N/A	Regular	Regular	N/A	no
18	RESTROOM	N/A	Regular	Regular	N/A	no
21	STORAGE BLDG	N/A	Regular	Regular	N/A	no
22	GARAGE/GIFT SHOP	N/A	Regular	Regular	N/A	no
1	OLD LIBRARY	N/A	Regular	Regular	no	no
10	CITY HALL	N/A	Regular	Regular	N/A	yes
5	LIBRARY	RENOVATED IN 2003	Regular	Regular	N/A	yes
27	FIRE STATION/ADMIN OFF.	open,different size floors,4 door fire apparatus parking	Irregular	Irregular	No- new construction	no
ID	Critical Facility	Anchored Equipment	Alternate Power	Sprinklers	Roof Material	Year Built
15	MUSEUM	no	no	no	wood shakes	1920
9	CONCESSION/RSTRM	no	N/A	N/A	N/A	1970
6	PRK/RSTRM/SNKBR	yes	N/A	N/A	N/A	1986
2	RESTROOM	no	no	no	N/A	1972
11	MODULAR A	yes	no	no	N/A	1998
12	WARNER HUTN BLDG	yes	no	no	comp.	1900
13	CITY HALL/NEW WING	yes	yes	no	built-up	1992
14	THEATER	yes	yes	no	built-up	1964
7	CONG SPR STRG	no	N/A	N/A	N/A	N/A
8	CONGSPR SCRKEEP	no	N/A	N/A	N/A	N/A
26	N. CAMPUS FELLOWSHIP	no	no	no	cement tile	1971
25	N. CAMPUS ADMIN BLDNG	no	no	no	comp.	1963
19	CARETAKER CTAGE	no	no	no	N/A	1923
20	PUMPHOUSE	no	no	no	N/A	1960
23	CULTURAL EXCHANG	yes	no	no	wood shakes	1990
24	HAKONE PK OFFICE	no	no	no	N/A	1920
16	MAIN HOUSE/PARK	no	no	no	N/A	1917
17	GRDN PRK/EXHIBIT	no	no	no	N/A	1990
3	COMMUNITY CNTR	yes	no	yes	built-up	1968

ID	Critical Facility	Anchored Equipment	Alternate Power	Sprinklers	Roof Material	Year Built
4	CORP YARD	yes	yes	no	metal	1972
18	RESTROOM	no	no	no	N/A	1920
21	STORAGE BLDG	no	no	no	N/A	1940
22	GARAGE/GIFT SHOP	no	no	no	N/A	1920
1	OLD LIBRARY	no	no	no	tile	1927
10	CITY HALL	yes	yes	no	built-up	1970
5	LIBRARY	yes	yes	yes	wood (fire ret.)	2003
27	FIRE STATION/ADMIN OFF.	yes	yes	yes	80% tile/20% tar	2004

ID	Critical Facility	Stories	Capacity	Bldg Insured Value	Contents Insured Value	
15	MUSEUM	1	1245	222000	0	
9	CONCESSION/RSTRM	1	1158	110853	0	
6	PRK/RSTRM/SNKBR	0	540	158760	0	
2	RESTROOM	1	339	36383	0	
11	MODULAR A	1	1440	30000	0	
12	WARNER HUTN BLDG	1	1838	369000	0	
13	CITY HALL/NEW WING	1	4995	1035729	340673	
14	THEATER	1	7436	0	0	
7	CONG SPR STRG	0	0	23814	0	
8	CONGSPR SCRKEEP	0	0	16758	0	
26	N. CAMPUS FELLOWSHIP	N/A	N/A			
25	N. CAMPUS ADMIN BLDNG	N/A	N/A			
19	CARETAKER CTAGE	1	878	195000	0	
20	PUMPHOUSE	1	120	7938	0	
23	CULTURAL EXCHANG	1	2251	1164578	0	
24	HAKONE PK OFFICE	1	336	30165	0	
16	MAIN HOUSE/PARK	1	695	185220	5513	
17	GRDN PRK/EXHIBIT	1	1485	267908	4961	
3	COMMUNITY CNTR	1	18425	3308565	233730	
4	CORP YARD	1	11424	595000	37486	
18	RESTROOM	1	336	39690	0	
21	STORAGE BLDG	0	336	13561	0	
22	GARAGE/GIFT SHOP	1	640	13561	0	
1	OLD LIBRARY	1	1816	368150	0	
10	CITY HALL	1	7057	2694621	340674	
5	LIBRARY	1	19585	2369417	0	
27	FIRE STATION/ADMIN OFF.	2	13158	6000000	250000	

ID	Critical Facility	# of Dams	Wildland-Urban Interface Fire Threat	Wildfire Threat	FEMA Flood Zone	Tsunami
15	MUSEUM	0	Outside WUI hazard area	Moderate	Undetermined	Not Affected

ID	Critical Facility	# of Dams	Wildland-Urban Interface Fire		FEMA Flood	Tsunami
			Threat	Wildfire Threat	Zone	
9	CONCESSION/RSTRM	0	Outside WUI hazard area	Moderate	500 Year	Not Affected
6	PRK/RSTRM/SNKBR	0	Outside WUI hazard area	Moderate	500 Year	Not Affected
2	RESTROOM	0	Fire-threatened area	Moderate	500 Year	Not Affected
11	MODULAR A	0	Fire-threatened area	Moderate	100 Year	Not Affected
12	WARNER HUTN BLDG	0	Fire-threatened area	Moderate	100 Year	Not Affected
13	CITY HALL/NEW WING	0	Fire-threatened area	Moderate	100 Year	Not Affected
14	THEATER	0	Fire-threatened area	Moderate	100 Year	Not Affected
7	CONG SPR STRG	0	Outside WUI hazard area	Moderate	500 Year	Not Affected
8	CONGSPR SCRKEEP	0	Outside WUI hazard area	Moderate	500 Year	Not Affected
26	N. CAMPUS FELLOWSHIP	0	Outside WUI hazard area	Moderate	500 Year	Not Affected
25	N. CAMPUS ADMIN BLDNG	0	Outside WUI hazard area	Moderate	500 Year	Not Affected
19	CARETAKER CTAGE	0	Fire-threatened area	Moderate	100 Year	Not Affected
20	PUMPHOUSE	0	Fire-threatened area	Moderate	100 Year	Not Affected
23	CULTURAL EXCHANG	0	Fire-threatened area	Moderate	100 Year	Not Affected
24	HAKONE PK OFFICE	0	Fire-threatened area	Moderate	100 Year	Not Affected
16	MAIN HOUSE/PARK	0	Fire-threatened area	Moderate	100 Year	Not Affected
17	GRDN PRK/EXHIBIT	0	Fire-threatened area	Moderate	100 Year	Not Affected
3	COMMUNITY CNTR	0	Fire-threatened area	Moderate	500 Year	Not Affected
4	CORP YARD	0	Fire-threatened area	Moderate	500 Year	Not Affected
18	RESTROOM	0	Fire-threatened area	Moderate	100 Year	Not Affected
21	STORAGE BLDG	0	Fire-threatened area	Moderate	100 Year	Not Affected
22	GARAGE/GIFT SHOP	0	Fire-threatened area	Moderate	100 Year	Not Affected
1	OLD LIBRARY	0	Fire-threatened area	Moderate	500 Year	Not Affected
10	CITY HALL	0	Outside WUI hazard area	Moderate	100 Year	Not Affected
5	LIBRARY	0	Outside WUI hazard area	Moderate	100 Year	Not Affected
27	FIRE STATION/ADMIN OFF.	0	Fire-threatened area	Moderate	500 Year	Not Affected

ID	Critical Facility	Existing Landslide Areas	EQ-Induced Landslides	EQ Shake	Liquefaction	EQ-Induced Liquefaction
				Potential	Susceptibility	
15	MUSEUM	Surficial Deposits	Outside of CGS Landslide Zone	55	Moderate	Outside of CGS Liquefaction Zone
9	CONCESSION/RSTRM	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
6	PRK/RSTRM/SNKBR	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
2	RESTROOM	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
11	MODULAR A	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
12	WARNER HUTN BLDG	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
13	CITY HALL/NEW WING	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
14	THEATER	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
7	CONG SPR STRG	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
8	CONGSPR SCRKEEP	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
26	N. CAMPUS FELLOWSHIP	Surficial Deposits	Outside of CGS Landslide Zone	75	Moderate	Outside of CGS Liquefaction Zone

ID	Critical Facility	Existing Landslide Areas	EQ-Induced Landslides	EQ Shake Potential	Liquefaction Susceptibility	EQ-Induced Liquefaction
25	N. CAMPUS ADMIN BLDNG	Surficial Deposits	Outside of CGS Landslide Zone	75	Moderate	Outside of CGS Liquefaction Zone
19	CARETAKER CTAGE	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
20	PUMPHOUSE	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
23	CULTURAL EXCHANG	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
24	HAKONE PK OFFICE	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
16	MAIN HOUSE/PARK	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
17	GRDN PRK/EXHIBIT	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
3	COMMUNITY CNTR	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
4	CORP YARD	Surficial Deposits	Outside of CGS Landslide Zone	75	Low	Outside of CGS Liquefaction Zone
18	RESTROOM	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
21	STORAGE BLDG	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
22	GARAGE/GIFT SHOP	Mostly Landslide Area	Outside of CGS Landslide Zone	85	Very Low	Outside of CGS Liquefaction Zone
1	OLD LIBRARY	Surficial Deposits	Outside of CGS Landslide Zone	85	Low	Outside of CGS Liquefaction Zone
10	CITY HALL	Surficial Deposits	Mapping in Progress	85	Moderate	Mapping in Progress
5	LIBRARY	Surficial Deposits	Mapping in Progress	85	Moderate	Mapping in Progress
27	FIRE STATION/ADMIN OFF.	Surficial Deposits	Outside of CGS Landslide Zone	85	Low	Outside of CGS Liquefaction Zone
ID	Critical Facility	Sea Level Rise 16"	Sea Level Rise 55"			
15	MUSEUM	Not Affected	Not Affected			
9	CONCESSION/RSTRM	Not Affected	Not Affected			
6	PRK/RSTRM/SNKBR	Not Affected	Not Affected			
2	RESTROOM	Not Affected	Not Affected			
11	MODULAR A	Not Affected	Not Affected			
12	WARNER HUTN BLDG	Not Affected	Not Affected			
13	CITY HALL/NEW WING	Not Affected	Not Affected			
14	THEATER	Not Affected	Not Affected			
7	CONG SPR STRG	Not Affected	Not Affected			
8	CONGSPR SCRKEEP	Not Affected	Not Affected			
26	N. CAMPUS FELLOWSHIP	Not Affected	Not Affected			
25	N. CAMPUS ADMIN BLDNG	Not Affected	Not Affected			
19	CARETAKER CTAGE	Not Affected	Not Affected			
20	PUMPHOUSE	Not Affected	Not Affected			
23	CULTURAL EXCHANG	Not Affected	Not Affected			
24	HAKONE PK OFFICE	Not Affected	Not Affected			
16	MAIN HOUSE/PARK	Not Affected	Not Affected			
17	GRDN PRK/EXHIBIT	Not Affected	Not Affected			
3	COMMUNITY CNTR	Not Affected	Not Affected			
4	CORP YARD	Not Affected	Not Affected			
18	RESTROOM	Not Affected	Not Affected			
21	STORAGE BLDG	Not Affected	Not Affected			

ID	Critical Facility	Sea Level Rise 16"	Sea Level Rise 55"			
22	GARAGE/GIFT SHOP	Not Affected	Not Affected			
1	OLD LIBRARY	Not Affected	Not Affected			
10	CITY HALL	Not Affected	Not Affected			
5	LIBRARY	Not Affected	Not Affected			
27	FIRE STATION/ADMIN OFF.	Not Affected	Not Affected			