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## SECTION 15 CITY OF SANTA MARIA

### 15.1 INTRODUCTION

*This annex was prepared in 2010 – 2011 as part of an update to the Santa Barbara County Multi-Hazard Multi-Jurisdictional Hazard Mitigation Plan. The City of Santa Maria participated in the County wide Mitigation Advisory Committee, reviewed all portions of the previous hazard mitigation plan pertaining to the City, and incorporated relevant components into this annex. This annex serves as a complete hazard mitigation planning tool for the City of Santa Maria. It contains updated capability assessment information, a new vulnerability assessment, and an updated/revised mitigation strategy. The methodology and process for developing this annex is explained throughout the following sections.*

The City of Santa Maria is located approximately 250 miles south of San Francisco and 170 miles north of Los Angeles. It lies within the Santa Maria River Valley in a fertile plain, surrounded by rolling hills on three sides and the Pacific Ocean to the west. The median age in the City is 28.6 years, according to the 2010 Census. As of January 1, 2011 the City's population reached 100,062. Since 1970, the population of the City of Santa Maria has more than tripled. Annexations have increased the City's physical size to slightly over 23 square miles. Agriculture has always played an important role in the City's economy, however, other important sectors of the local economy are retail, education, medical, the aerospace industry; communications; high-technology research and development; energy production; military operations; and various manufacturing industries.

**RESOLUTION NO. 2012- 08**

**A RESOLUTION OF THE CITY COUNCIL OF THE  
CITY OF SANTA MARIA, CALIFORNIA,  
ADOPTING THE 2011 CITY OF SANTA MARIA UPDATE OF  
THE HAZARD IDENTIFICATION AND RISK ASSESSMENT  
PLAN AND APPROVING THE 2011 SANTA BARBARA  
COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION  
PLAN**

**WHEREAS**, the Federal Disaster Mitigation Act of 2000 (Act), as described in 44 CFR Section 201.6, mandates local governments to submit and maintain a Federal Emergency Management Agency (FEMA) approved local hazard mitigation plan; and

**WHEREAS**, the City of Santa Maria has participated in a county-wide multi-jurisdictional plan with Santa Barbara County as the lead agency; and

**WHEREAS**, the Multi-Jurisdictional Hazard Mitigation Plan identifies each jurisdiction's risk assessment and mitigation strategies to reduce the impacts of natural disasters on the public and local government; and

**WHEREAS**, identification of hazards in the City assists with response planning, exercise development, public education, and awareness, and other emergency management functions; and

**WHEREAS**, FEMA approved the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan; and

**WHEREAS**, the Federal Disaster Mitigation Act of 2000 requires the Plan to be formally adopted by the City Council and provided to FEMA for formal approval;

**NOW, THEREFORE, IT IS HEREBY RESOLVED** by the City Council of the City of Santa Maria, California, as follows:

1. The City Council approves and adopts the 2011 update of the Hazard Identification and Risk Assessment Plan in accordance with the Disaster Mitigation Act of 2000.
2. The City Council adopts the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan
3. This Resolution is effective upon its adoption.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Santa Maria, California, held this 7<sup>th</sup> day of February, 2012.

/S/ L. J. LAVAGNINO

\_\_\_\_\_  
Mayor

ATTEST:

/s/ RHONDA M. GARIETZ, CMC  
Acting Chief Deputy City Clerk

APPROVED AS TO FORM

*aut.* Philip F. Sines  
City Attorney

APPROVED AS TO CONTENT

B. Hayden  
City Manager

Alvin J. Jr.  
Department Head

STATE OF CALIFORNIA            )  
COUNTY OF SANTA BARBARA ) ss.  
CITY OF SANTA MARIA            )

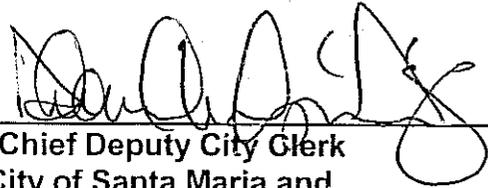
I, RHONDA M. GARIETZ, CMC, Acting Chief Deputy City Clerk of the City of Santa Maria and ex officio Clerk of the City Council DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No. 2012-08 which was duly and regularly introduced and adopted by said City Council at a regular meeting held February 7, 2012, and carried on the following vote:

AYES:            Councilmembers Boysen, Cordero, Orach, and Patino,  
                          and Mayor Lavagnino.

NOES:            None.

ABSENT:         None.

ABSTAIN:        None.



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Acting Chief Deputy City Clerk  
of the City of Santa Maria and  
ex officio Clerk of the City Council

## 15.2 INTERNAL PLANNING PROCESS

*The planning process presented in this section details the process undertaken internally at the City of Santa Maria during 2010 – 2011 separate from the City’s participation in the Countywide Mitigation Advisory Committee which is included in Section 3 of the County plan.*

Table 15-1 lists the City of Santa Maria Local Planning Team for the Multi-Hazard Mitigation Plan update. These individuals collaborated to identify the City’s critical facilities, provide relevant plans, report on progress of City mitigation actions and provide suggestions for new mitigation actions.

**Table 15-1 City of Santa Maria Local Planning Team 2011**

Name	Department
Dan Orr, or Roy Dugger	Fire
David Whitehead	Public Works
Mark van de Kamp	City Manager’s Office
Larry Appel and Brian Smith	Community Development
Rene M. Visé	Administrative Services
Michelle Heath	Administrative Services
Teri Maa	Administrative Services
Philip Sinco	City Attorney
Richard Dupuis	Public Works
John Corbett	Library
Jim Davis	Recreation and Parks
Roy Dugger	Fire Department
Craig Ritz	Police
Steve Kahn or Ron Vilarino	Utilities
Shad Springer	Public Works

### 15.2.1 City Local Planning Team Meetings and Outcomes

The City of Santa Maria Local Planning Team (LPT) met separately from the Countywide MAC during the planning process to discuss data needs and organize data collection specific to the City of Santa Maria. Meeting documentation is included in Section 15.8, Santa Maria Attachment 1: Meeting Documentation. Following an initial December 1, 2010 meeting attended by representatives from multiple City departments, several more internal meetings were held at which staff discussed issues and researched appropriate documents for this project. Although not an exhaustive list, some of those meetings occurred at the Santa Maria Fire Department administrative offices on January 12, February 9, March 2, and April 1, 2011. During July and August, Mark van de Kamp of the City Manager’s Office continued coordinating and collaborating with the Local Planning Team to finalize the mitigation strategy and ensure the complete updated plan is accurate.

## 15.2.2 Public Involvement

In March 2011, an online survey was distributed county-wide to solicit public input regarding the concern for risk to natural hazard events and suggestions for how local government could minimize the risk. The City of Santa Maria notified residents and businesses of the opportunity to participate in the survey through issuing a news release and posting it on the City's website, <http://www.ci.santa-maria.ca.us>. A copy of the survey is included in County Appendix 3C. Copies of the City's outreach materials are included in Section 15.8, Santa Maria Attachment 2: Outreach Materials.

### *Survey Results*

On March 25, 2011, the City of Santa Maria issued a news release advertising the County-wide online survey to solicit public input regarding concerns for hazard risk. The survey was available in both English and Spanish. The Mitigation Advisory Committee also used this survey to gauge the level of public preparedness for emergencies.

The survey respondents from the City of Santa Maria identified earthquake and flooding as the two hazards of primary concern. Agriculture (pests and diseases), dam failure, and wildfire, followed closely as secondary concerns. Overall, however, the City of Santa Maria's Local Planning Team deemed these hazards of "limited" planning consideration. That rationale is presented in Section 15.4. The responses regarding hazard concern will help the City improve messaging and outreach efforts regarding realistic risk of these hazards.

A significant number of Santa Maria respondents indicated they have made improvements to their property to reduce risk of damage (refer to Question 3). Twelve respondents have implemented and/or maintain defensible space around their properties to reduce damage from wildfires. Six respondents have performed seismic retrofits and six have elevated structures to reduce flood damage. The results of the survey provide valuable information for the City of Santa Maria as it continues in its mitigation efforts. These responses may be used as a benchmark for future measurements of improvement. For example, the City may choose to focus on educational outreach about what homeowners and renters can do to reduce future damage from natural hazards. After this type of implementation, a similar survey may be administered to validate the progress and confirm that more residents have implemented mitigation practices.

The survey allowed the City an opportunity to expand the list of stakeholders. Several respondents provided contact information and were given an opportunity to review/comment on the complete draft prior to adoption. As the City continues to increase awareness of hazard mitigation, the suggested stakeholders (item 21 below) will be considered for involvement in future mitigation planning discussions.

The City of Santa Maria will consider the recommendations provided by survey respondents (items 8 and 20 below) regarding how the local government and the County can help residents prepare for an event, throughout the life of this plan and prioritize those that can be implemented efficiently and effectively.

The survey responses received from the City of Santa Maria residents are summarized below:

1. 64 out of 510 survey respondents were from the City of Santa Maria. 25 of the responses were received in Spanish.
2. Respondents were asked which three hazards, out of the seven hazards the MAC identified, are of most concern to their neighborhood or home. Below are responses from residents of Santa Maria (in order of most responses):

<b>Hazard</b>	<b>Number of Responses</b>
Earthquake	57
Flooding (including coastal surge)	46
Agriculture (pests and disease)	26
Dam Failure	21
Wildfire	19
Tsunami	7
Landslide/Coastal Erosion	3
Additional Hazards*	7

\* Respondents noted the following additional hazards: Diablo Canyon Nuclear Power Plant, Liquefaction, Radio-active fall-out from Diablo Canyon Nuclear Power Plant meltdown in San Luis Obispo County (28 miles), Park retention basin, Broken electrical cables, Old trees downed.

3. 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:

<b>Property Mitigation</b>	<b>Responses</b>
Seismic retrofit of the structure and / or foundation	6
House elevation or first floor modification to prevent flood damage	6
Installed backflow prevention device(s)	4
Defensible space landscaping (clear vegetation around house to reduce wildfire risk)	12
Roof retrofit using fire resistant material	6
Installation of fire sprinklers	8
Installation of fire hydrant or above ground water storage tank	3
Strengthened openings (Doors, windows, and/or garage door to reduce high-hazard wind risk)	9

Other (please specify)	15
------------------------	----

\*The responses to “Other” were: None, Nothing house is only 12 years old, Earthquake straps on hot water heater, Easy emergency turn off valve on water/gas lines, Intend to purchase flood insurance, None, I'm a renter, We did not make these changes. These amenities were already in our home, which is fairly new construction, Always have sand bags at the ready, Drought resistant plant, Keeping water and food, emergency materials, first aid in a easy access should we need to get out of the house quickly

4. 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 Santa Maria respondents:

<b>Item that is Readily Available</b>	<b>Responses</b>
Potable Water (3 gallons per person)	36
Cooking and eating utensils	46
Can Opener	51
Canned / Non-perishable Foods (ready to eat)	44
Gas grill / Camping stove	34
Extra Medications	32
First Aid Kit/Supplies	48
Portable AM/FM Radio (solar powered, hand crank, or batteries)	37
Handheld "Walkie-Talkie" Radios (with batteries)	14
Important Family Photos/Documentation in a water and fire proof container	23
Extra Clothes and Shoes	48
Blanket(s)/ Sleeping Bag(s)	50
Cash	29
Flashlight (with batteries)	55
Gasoline	21
Telephone (with batteries)	29
Pet Supplies	28
What else do you have in your emergency kit?*	10

\* Respondents noted the following additional items in their emergency kits: Oil Lamps/lanterns & Fuel, Tents, firewood, LPG, Water purifier, Towels, contact information for family outside of the immediate area, Powerless hand tools/tools for welding and cutting, emergency lights w/batteries, Firearms and extra ammo

5. Respondents were asked if they have a plan for evacuating large animals and pets. Below is a summary of responses:

- 17, or **29.3%** of respondents, answered that they **have a plan for evacuating their pets (cats, dogs, etc).**
- **None** of the respondents answered that they **have a plan for evacuating large animals (horses, cows, etc).**
- 14, or **24.1%** of respondents, answered that **they have pets but have not planned for their evacuation.**
- 2, or **3.4%** of respondents, answered that **they have large animals but have not planned for their evacuation.**
- 25, or **43.1%** of respondents, answered that **they have no large animals or pets.**

6. Respondents were asked if they are familiar with the special needs of their neighbors in the event of a disaster situation. Below is a summary of responses:

- 11, or **18.9%** of respondents, indicated that they **are familiar with the special needs of their neighbors.**
- 47, or **81%** of respondents, indicated that they **are not** familiar with the special needs of their neighbors.
- 6 respondents skipped this question.

7. Respondents were asked if they are a trained member of their Community Emergency Response Team (CERT). Below is a summary of responses:

- 10, or **18.5%** of respondents, indicated that **they are part of CERT.**
- 23, or **42.6%** of respondents, indicated that **they are not a part of CERT, but would like to learn more about CERT.**
- 21, or **38.8%** of respondents, indicated that **they are not interested in being a trained CERT.**
- 10 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:

- I am taking the CERT Class now.
- Currently not trained CERT, but as part of the SB VOAD group, I intend on becoming trained.
- I am a management level
- Available time
- Didn't know about it
- Because it makes sense to have CERT knowledge
- I'm a member of other emergency groups
- It's our first class and I would like to learn more.

8. Respondents were asked to identify the most important thing local government can do to help communities be more prepared for a disaster. Below is a summary of responses:

<b>Things Local Government can do to help prepare</b>	<b>Number of Responses</b>
Disseminate effective emergency notifications and communication	32
Provide training and education to residents and business owners on how they can reduce future damage	44
Community outreach regarding emergency preparedness	45
Being aware of special needs and vulnerable populations	23
Make a plan to use volunteer residents to help in a disaster	39
Other*	8

The responses to "Other" were:

- Have communications in prominent languages (i.e. English & Spanish)
- Organize, plan, execute and communicate coordinated emergency disaster plan with all agencies (police, fire, emergency response, media)
- Since few persons can afford earthquake insurance, either offer assistance to purchase it by subsidizing it, or, make low interest loans available after damage is sustained by earthquakes.
- There are so many volunteer organizations in the County yet there is no one office that has a way to organize them. CERT Teams, Sheriffs Volunteer Team, SMPD Volunteers, Lompoc PD Volunteers, Red Cross, Volunteer Medical Corp, Sheriffs, SMPD, LPD Explorers, Search and Rescue, CAER, San Marcos Fire and the list can go on.

- Include churches and its pastors. There will be people needing spiritual guidance.
- More training to better help others.

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

- 51, or **82.2%** of respondents, indicated that they **do not** live in an apartment or home with living space above a garage or parking area.
- 11, or **17.7%** of respondents, indicated that they **do** live in an apartment building or home with living space above a garage or parking area.
- 2 respondents skipped this question.

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 that they are “Extremely Concerned”, 3 respondents indicated that they have “High Concern”, 4 respondents indicated that they have “Moderate Concern”, 3 respondents indicated that they have “Little Concern”, 3 respondents indicated that they have “No Concern”, and 21 respondents indicated that the question was “Not Applicable”.

10. 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:

<b>Answer</b>	<b>Responses</b>
Yes, my insurance coverage should be adequate	23
No, I don't believe my insurance coverage would be adequate for a major disaster	10
Unsure	5
I do not have an insurance policy	2
Not applicable, I rent my current residence	28

11. Respondents who are renters were asked if they have renter’s insurance. Below is a summary of responses:

<b>Answer</b>	<b>Responses</b>
Yes	6
No	17
Not applicable, I own my residence.	34

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

<b>Answer</b>	<b>Responses</b>
Yes, I own my home and have earthquake insurance.	11
Yes, I rent my home and have earthquake insurance.	1
No, but I am interested in reviewing earthquake insurance options.	13
No, earthquake insurance is too expensive.	21
No, I do not need earthquake insurance.	4

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

<b>Answer</b>	<b>Responses</b>
Yes, I own my home and have flood insurance.	12
Yes, I rent my home and have flood insurance.	2
No, but I am interested in reviewing flood insurance options.	18
No, I do not need flood insurance	18

14. Respondents were asked to note any additional insurance listed for their home or property.

- Home Owner Insurance
- That demanded through mortgage.
- We have house managers (PC for domestic help) and we carry workman's comp and extra auto insurance.
- Insurance against theft and fire.

15. Respondents were asked if they work in Santa Barbara County.

- 36, or **61%** of respondents, indicated that they **do** work in Santa Barbara County.
- 23, or **38.9%** of respondents, indicated that they **do not** work in Santa Barbara County.

16. 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:

Natural Hazard	Response
High-risk flood zone	20
Earthquake fault zone	24
Liquefaction zone	1
Landslide Risk Area	5
Wildland Urban Interface (wildfire risk area)	7
I don't know	26
Other*	3

The responses to “Other” were:

- I don't work
- Radioactive fall-out from Diablo Canyon Nuclear Power Plant
- Been in this office for over ten years and termites have weakened the structure. Has been bagged but who knows what damage still exists.

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

- 21, or **40.4%** of respondents, **indicated that their employer does have a disaster recovery plan in place.**
- 11, or **21.2%** of respondents, **indicated that their employer does not have a disaster recovery plan in place.**
- 20 respondents were unsure if their employer has a disaster recovery plan in place.
- 12 respondents skipped this question.

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

- 16, or **45.7%** of respondents, indicated that their **employer does** have a workforce communications plan.
- 7, or **20%** of respondents, indicated that their **employer does not** have a workforce communications plan.
- 12, or **34.3%** of respondents, indicated that they are **unsure** if their employer has a workforce communications plan.
- 8 respondents skipped this question.

19. 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. 8 respondents replied to this question. These answers are summarized below. 31 respondents skipped this question.

- Flooding in the event of heavy rainfall
- The nuclear regulatory commission study on Diablo Canyon. Shut it down.
- Santa Maria levee
- I live in the County and work in the City. I have no idea what OES is doing, what is the plan, nothing on TV or the paper. The only reason I am aware of anything is I am a member of SAR, CAER and the Sheriff's SVT Team.
- Bradbury Dam inundation report, unreinforced masonry ordinance, various geologic studies, FIRM maps

20. Respondents were asked what recommendations they have for Santa Barbara 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:

<b>Recommendations for Santa Barbara County</b>	<b>Number of Responses</b>
Provide training and materials on how residents can be prepared for the identified risks	25
Perform outreach to ensure people are aware of their environment and the inherent risks	19
Enforce/update building codes	11
Other*	3

The responses to "Other" were: Unfortunately, it seems the community does not take the earthquake threat seriously. During evacuation training in SB, a woman got angry with me for ringing her doorbell and asked that the reverse 911 stop calling. I believe that those that are prepared for the big earthquake are going to have to help those that are not. There is not enough law enforcement, fire, SAR personnel to handle all that will be required in a big disaster. I would think that the Japan earthquake would shake folks up but my observation is business as usual.

21. Respondents were asked to recommend any companies or local associations that should be involved in the Santa Barbara County hazard mitigation planning process. The following contacts were given:

- Pacific Gas & Electric Co.
- The Salvation Army,
- Santa Maria Corps

- Santa Barbara County Schools
- SMOOTH, Inc.
- Vandenberg Air Force Base

22. 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.

- 8, or **27.6%** of respondents **said they would** like to review and comment on the draft plan.
- 21, or **72.4%** of respondents said **they would not** like to review and comment on the plan draft.
- 10 respondents skipped this question.

Ten respondents who said they would like to review and comment on the draft plan included their contact information.

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

- Improvement of water removal after heavy rains, mosquito abatement.
- Close Diablo Canyon.
- I am the director of SMOOTH, Inc. in Santa Maria, a small non-profit bus transportation company. SMOOTH is ""registered"" with the County OES and has made our 19 wheelchair accessible buses (9 to 20 passenger door-to-door style) available to the County. I am not aware of the City of Santa Maria's emergency plan or if SMOOTH is still a part of that plan...at one time when SMOOTH managed the SMAT transit system for the City, we were included by default. It has been 7 years since we managed SMAT so I am uncertain what role, if any, SMOOTH has in the City's plan. Our office is on Roemer Way, within three blocks of the river, so that is an area of interest as well."
- Highways 101, 154 and 166 seem extra vulnerable to potential earthquakes, dam breaks and flooding. The Santa Maria Bridge retrofit and widening keeps getting pushed back. If that bridge is destroyed from flooding or earthquake there will be no way for transportation and people to move North or South past that point. The Diablo nuclear power plant, in light of the Japanese disaster, brings an additional concern. We are highly dependent upon a single main highway (the 101) as an escape route should things get really bad. Is there a plan in place for an orderly evacuation of the community if a disaster were to cause a catastrophic failure of Diablo?
- Create neighborhood groups
- Provide map of where to go in case of emergency - shelters, etc"

- Although The Diablo Canyon Nuclear Power Plant is located in the county to our north, it is but 25 miles from Santa Maria as the crow flies, and radiation will not be stopped at the county border.
- Santa Barbara County cities within 50 miles of this plant are Lompoc, Buellton, Los Olivos, Guadalupe, Vandenberg Village, and Los Alamos. As we learn from Japan, a meltdown causes evacuations to 50 miles! The prevailing winds seem to be from the northwest, with northern Santa Barbara county is in that pathway, therefore some guidance and education from SB county officials to be as prepared as one can be is warranted. SLO county has sirens in effect, and as a minimum these can be extended to cities noted above.
- In the event of an emergency highway 101 may adequate for major evacuation routing. However, all east/west roads, such as highways 154 and 166, are inadequate. When you consider south San Luis Obispo County residents may be required to evacuate south to Santa Barbara County, as a result of a tsunami warning, or nuclear radiation event, the impact on highways 166 and 154 is concerning. Emergency plans should be particularly sensitive to residents living in large populations that reside near county borders. Counties, State, or Federal agencies should coordinate any evacuations plans or efforts in these heavily populated areas. To the best of my knowledge there is no emergency information available to residents in north Santa Barbara county who live within 50 miles of the Diablo Canyon Nuclear Power facility should there an emergency occur.
- I would like to see a Citizens Corp Council started to allow all the volunteer organizations to have a place to share capabilities and resource information. It would allow each organization to function in their own area under their own protocol but teams or groups around them would know who they are and what are their capabilities.
- The Red Cross has a great radio system plan yet the systems are not functional. There is no one place where radio frequencies, repeaters, Ham radio capabilities are at. From a volunteer citizen standpoint, with all due respect, the left hand does not know what the right hand is doing. I am well aware of budget shortfalls, people have real jobs to go to, kids, take care of disabled family members therefore ""volunteer"" issues just are not a top priority. In my opinion, I think the citizens of Santa Barbara County need to have the facts laid out to them, options presented, information available in a ""simple"" way. The closing sale presented as ""Here is the worst case scenario, here are your choices, what is it going to be? I lived through the Sylmar quake, Northridge quake, Paso Robles quake. I know what it is going to be like and it is not going to be pretty. People need to be prepared and I do not think the average Santa Barbara County citizen is."

### ***Public Review Period***

On August 26, 2011, the City distributed an email notification to relevant stakeholders and interested community members based on the contact information received in the survey responses. This notification announced the availability of the Review Draft of this annex for public review and comment on the City's website: <http://www.cityofsantamariaonline.org/Annex/ReviewDraft.pdf>. On the same day, the City of Santa Maria issued a press release advertising the public review period. Additionally, a news article was published in the Santa Maria Times on August 31<sup>st</sup>. The public were encouraged to submit comments prior to September 15<sup>th</sup>, for incorporation into this draft. Two comment letters were received via email. These are included in Attachment 2: Outreach Materials and will be considered when the planning team reviews the identification and prioritization of hazards in the next plan update. One comment suggests the consideration of Solar Storm as a hazard risk. The other comment expresses interest in receiving evacuation preparedness information.

Any comments received after the adoption of this annex will be catalogued for consideration in future updates to this annex. Copies of the website posting, newspaper article, press release, and public comments are included in Section 15.8, Santa Maria Attachment 2: Outreach Materials.

## 15.3 CAPABILITY ASSESSMENT

The City identified current capabilities and mechanisms available for implementing hazard mitigation activities. This section presents a discussion of the roles of key departments, administrative and technical capacity, fiscal resources, and summaries of relevant planning mechanisms, codes, and ordinances. *This capability assessment was originally developed in 2004. It has been reviewed and updated by the City's Local Planning Team to reflect the most current capabilities as of July 2011.*

### 15.3.1 Key Departments

The City of Santa Maria utilizes the council-manager form of local governance, which includes both elected officials and an appointed City Manager. Santa Maria has four council members and a Mayor elected at large, which means that members represent the entire City, rather than specific districts.

The City Council is Santa Maria's legislative body, setting policy, approving budgets, and setting tax rates. Members also hire the City Manager, who is responsible for the day-to-day administration of the City, and serves as the Council's chief advisor. The City Manager prepares a recommended budget, and carries out the council's policies. While the City Manager may recommend policy decisions, he or she is ultimately bound by the actions of the Council. The Council appoints one additional staff member — the City Attorney. City Departments involved in activities related to Hazard Mitigation include:

- ★ **City Manager**
  - Provide overall direction and coordination of City operations to ensure that the City Council's adopted service objectives are met or exceeded and that costs do not exceed budget restrictions.
  - Continually evaluate organizational structure of the City to provide the most effective, efficient, and economical public service possible.
  - Improve the operational capabilities of the City through the development of high-quality human resources.
  - Direct employee relations, including negotiating and administering contracts with represented groups.
  - Continually monitor and evaluate services, programs and activities of the City to ensure they continue to be relevant to community needs and are administered in an equitable manner.
  - Through the Records/City Clerk Division, maintain accurate records of City Council activities and other official City files and ensure municipal elections are conducted in compliance with applicable laws and guidelines.
  - Serves as the City's Emergency Services Director.

### Administrative Services

- ★ ***Finance Division***

- Analyze the City's financial position and develop short and long range plans to ensure financial viability.
- Ensure City departments obtain materials and services needed to accomplish their respective missions within budget and in compliance with laws and policies.
- Develop, implement and update policies to ensure the City is operating in the most effective, efficient, and economical manner possible.
- Administer the City's Worker's Compensation Program.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ ***Utility Billing Division***

- Administer the utility billing system to ensure that residents and businesses are paying the appropriate amount for water, sewer, and refuse collection services through the production of accurate bills, collection of all revenues, monitoring and collecting of delinquent accounts.
- Respond to utility customers' service needs in an effective, efficient, and economical manner.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ ***Information Technology Division***

- Provide comprehensive computer services that include defining informational needs and translating them into technology standards and computer policies.
- Ensure the security and integrity of data stored on the City's computer equipment.
- Provide appropriate services to internal customers to keep computers and associated equipment and software operating as designed.
- Administer and manage contracts for all computer hardware/software, telephone, and radio equipment.
- Ensure that technologies related to emergency services are maintained operational 24x7.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **Fire Department**

***Administration***

- Develop, implement and monitor policies, procedures, budgets, fees, automatic aid agreements, mutual aid agreements, and liaison with other City departments and outside agencies.
- Serve as the Emergency Services Coordinator

***Life and Fire Safety***

- Coordinate adoption of codes and ordinances, review site and building plans for fire code compliance, inspect occupancies for compliance with fire & life safety laws and regulations, investigate fire cause and origin, and present community education programs.

- Provide public information to the community on the department's emergency and non-emergency activities.
- Coordinate the City's Disaster Preparedness Program, liaison with all City departments and divisions, as well as other public and private organizations, develop, coordinate and implement hazard-specific response plans, and maintain the operational readiness of the City's Emergency Management Team, the EOC and other key elements.
- Manage department contracts and agreements.
- Manage the development of new department facilities and existing facility renovation.
- Aware and Prepare Program coordination and administration

☆ ***Operations Division***

- Maintain the department's personnel, apparatus, equipment and fire stations in a state of readiness to respond to the community's needs for emergency and non-emergency calls for service, develop and implement standard operating procedures for various types of emergency responses, and train and interact with neighboring jurisdictions and regional agencies.
- Long-range planning.

☆ **Community Development Department**

☆ ***Building Division***

- Coordinate adoption of building, plumbing, electrical, and mechanical codes. Develop building ordinances.
- Review site and building plans for compliance with building codes and ordinances.
- Damage assessment of structures from multiple causes to facilitate repair and future occupancy.
- Serves as Floodplain Administrator.
- Reviews architectural and engineering plans to assure compliance with Federal, State, and local ordinances on seismic and structural stability.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **Community Development Department**

☆ ***Planning Division***

- Develop and maintain City general plan, zoning ordinances and development standards. Oversight of City development process assuring compliance with zoning and general plan, and including environmental impact reports, design review, historic preservation, landscape review, habitat conservation, floodway prohibitions and floodplain development standards.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **Public Works Department**

☆ ***Streets & Facilities Division***

- Maintains City infrastructure. (streets and buildings).
- Responds to City emergencies, includes EOC response in disasters and assisting police and fire departments with hazardous materials clean up, traffic and perimeter control efforts, and evacuation routing.
- Maintains and operates City emergency generator assets.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

***Fleet Services Division***

- Maintains City fleet of vehicles and equipment, including all emergency response vehicles and equipment.
- Maintains City fuel supply and dispensary.
- Contracts with local heavy equipment maintenance vendors for essential mechanical maintenance needs.

☆ ***Engineering Division***

- Reviews engineering on private and public grading, floodways, retention basins, transportation infrastructure and structures to assure compliance with Federal, State and local ordinances regarding storm water management and flood control.
- Develops engineering ordinances and policies that help protect and preserve City infrastructure.
- Evaluates all circulation elements for projected traffic impacts.
- Maintains and operates City public transit system, including buses and vans.
- Determines needed infrastructure improvements, including roadways, storm drains, utilities, water systems and wastewater/sewer collection and treatment capabilities.
- Provides response personnel for evaluation of damaged infrastructure and rescue situations.
- Coordinates other response agencies assisting with damage assessment.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **Utilities Department**

- Provides water and wastewater systems for the City of Santa Maria. These services include water production and distribution, and wastewater collection and treatment.
- Solid waste services, including collection of recycling, greenwaste, and solid waste. Operation of a landfill with recycling and hazardous materials disposal. This includes street sweeping services.
- Operates and maintains drainage systems.
- The Regulatory Compliance Division provides assistance to all department divisions on regulatory issues.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **Police Department**

☆ ***Administration***

- Develop, implement and monitor policies, procedures, budgets, accounting, purchasing, grants administration, litigation, claims, personnel, and liaison with other City departments and outside allied agencies.

☆ ***Operations Division***

- Responds to safety concerns involving threats and/or damage to life or property. Acts as the enforcement entity for violations of State and local laws and ordinances.
- Primary emergency responders to acts of civil disobedience and public disorders and terrorism. Support personnel for emergency rescue and management.
- Develops and implements emergency response plans and policies, focusing on evacuation procedures and traffic control.
- Primary responders to acts of terrorism, focusing on suspect intervention and facility and staff protection.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ ***Support Division***

- Investigative services for criminal acts that result in personal injury, death and the destruction of property.
- Manage law enforcement services contract with the Santa Maria Public Airport District.
- Manage the department's Homeland Security and Law Enforcement Terrorism Prevention Programs.
- Manage the City's Public Safety Answering Point (PSAP), receive 9-1-1 calls, dispatch police units, fire apparatus and emergency medical services.

☆ **Recreation and Parks Department**

☆ ***Recreation Department***

- The Recreation Department provides a variety of programs and services available to all members of the community. Some of the programs offered include; Aquatics, Youth and Adult Sports, Therapeutics and Senior Services, Special Olympics, Community Classes, Community Events and Youth Programs.
- Participates as part of the City's Emergency Management Team and the City's EOC Team

☆ ***Parks Department***

- The Parks Department is responsible for on-going maintenance of the City's 248+ acres of landscape and open spaces. The department is also responsible for the maintenance of the City's athletic facilities, sports fields, tennis courts, and outdoor basketball courts. The department is also responsible for the City's Graffiti Removal Program.

- Urban Forest (street and parks) maintenance of 30,000 (+ / -) trees that include ; tree trimming, insect and disease control, tree planting and respond to storm or related issues specific to the urban forest.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **City Attorney**

☆ ***Legal Services***

- Provide legal services to the City Council and all departments of the City as needed.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ ***Code Compliance Division***

- Investigate violations of the Santa Maria Municipal Code within the City limits.
- Initiate administrative, civil, and criminal actions to correct violations of the Santa Maria Municipal Code.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

☆ **Public Library**

- Acquires, catalogs and circulates books, print and audio-visual materials to approximately 120,000 customers through the main library in Santa Maria, and branch libraries in Orcutt, Guadalupe, and Cuyama.
- Acquires and provides access to electronic services such as Internet access, CD-ROM products, online databases, and personal computers for word processing activities.
- Participates as part of the City's Emergency Management Team and the City's EOC Team.

### 15.3.2 Administrative and Technical Capacity

The following is a summary of existing departments in the City of Santa Maria and their responsibilities related to hazard mitigation planning and implementation, as well as existing planning documents and regulations related to mitigation efforts within the community. The administrative and technical capabilities of Santa Maria, as shown in Table 15-3, provides an identification of the staff, personnel, and department resources available to implement the actions identified in the mitigation section of the Plan. Specific resources reviewed include those involving technical personnel such as planners/engineers with knowledge of land development and land management practices, engineers trained in construction practices related to building and infrastructure, planners and engineers with an understanding of natural or manmade hazards, floodplain administration, surveyors, personnel with GIS skills and scientists familiar with hazards in the community.

**Table 15-2  
City of Santa Maria: Administrative and Technical Capacity**

<b>Staff/Personnel Resources</b>	<b>Y/N</b>	<b>Department/Agency and Position</b>
Planner(s) or engineer(s) with knowledge of land development and land management practices	Y	Community Development Director, Planning and Building Division Managers
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Director of Public Works/City Engineer, Public Works engineers & Utilities Director
Planners or Engineer(s) with an understanding of natural and/or manmade hazards	Y	Community Development Director, Planning and Building Division Managers, City Engineer, & Utilities Director,
Floodplain Administrator	Y	Director of Community Development
Surveyors	Y	City Engineer and designated staff
Staff with education or expertise to assess the community's vulnerability to hazards	Y	Fire Chief and staff members, Police Chief and command staff, Director of Public Works/City Engineer, Director of Utilities.
Personnel skilled in GIS and/or HAZUS	Y	City GIS staff, Engineering, Community Development
Scientists familiar with the hazards of the community	Y	Consultants
Emergency Manager	Y	Fire Chief and Police Chief
Grant writers	Y	City Manager - Special Projects Division of Administrative Services

### 15.3.3 Legal and Regulatory Capabilities

The legal and regulatory capabilities of Santa Maria are shown in Table 15-4, which presents the existing ordinances and codes that affect the physical or built environment of Santa Maria. Examples of legal and/or regulatory capabilities can include: the City’s building codes, zoning ordinances, subdivision ordinances, special purpose ordinances, growth management ordinances, site plan review, general plans, capital improvement plans, economic development plans, emergency response plans, and real estate disclosure plans.

**Table 15-3  
City of Santa Maria: Legal and Regulatory Capability**

<b>Regulatory Tools (ordinances, codes, plans)</b>	<b>Local Authority (Y/N)</b>	<b>Does State Prohibit (Y/N)</b>
Building code	Y	N
Zoning ordinance	Y	N
Subdivision ordinance or regulations	Y	N
Special purpose ordinances (floodplain management, storm water management, hillside or steep slope ordinances, wildfire ordinances, hazard setback requirements)	Y	N
Growth management ordinances (also called “smart growth” or anti-sprawl programs)	Y	N
Site plan review requirements	Y	N
General or comprehensive plan	Y	N
A capital improvements plan	Y	N
An economic development plan	Y	N
An emergency response plan	Y	N
A post-disaster recovery plan	N	N
A post-disaster recovery ordinance	N	N
Real estate disclosure requirements	Y	N

### 15.3.4 Fiscal Resources

Table 15-5 shows specific financial and budgetary tools available to Santa Maria such as community development block grants; capital improvements project funding; authority to levy taxes for specific purposes; fees for water, sewer, gas, or electric services; impact fees for homebuyers or developers for new development; ability to incur debt through general obligations bonds; and withholding spending in hazard-prone areas.

**Table 15-4  
City of Santa Maria: Fiscal Capability**

<b>Financial Resources</b>	<b>Accessible or Eligible to Use (Yes/No)</b>
Community Development Block Grants (CDBG)	Y
Capital improvements project funding	Y
Authority to levy taxes for specific purposes	Y – Vote required
Fees for water, sewer, gas, or electric service	Y
Impact fees for developers for new developments/homes	Y
Incur debt through general obligation bonds	Y
Incur debt through special tax and revenue bonds	Y – Vote required
Incur debt through private activity bonds	N
Withhold spending in hazard-prone areas	N
Other – Other Grants	Y

### 15.3.5 Relevant Plans, Policies, and Ordinances

The City of Santa Maria has a range of guidance documents and plans for each of its departments. These include a general plan, public works and public utilities plans, capital improvement plans, and emergency management plans. The City uses building codes, zoning ordinances, subdivision ordinances, and various planning strategies to address how and where development occurs. One of the essential ways the City guides its future is through policies laid out in the General Plan.

#### 15.3.5.1 *The General Plan*

The General Plan for the City consists of seven general areas of information.

- Circulation Element
- Housing Element
- Land Use Element
- Noise Element
- Resources Management Element-Conservation Element-Open Space Element-Public Infrastructure, Recreation and Parks Element
- Safety Element
- Economic Development Element

The various elements listed above have been reviewed and updated between 1991 and 2010. Further, the Community Development Department staff anticipates adoption of the amended Land Use Element and Circulation Element by September 2011. The City's General Plan is available for review on the City's website at <http://www.ci.santa-maria.ca.us/40559.shtml>

#### The General Plan - Safety Element

The Safety Element is a long range planning document which sets forth goals, policies, objectives, and implementation programs to protect Santa Maria from risks associated with the following hazards: seismically and geologically induced hazards, flooding, wildland and urban fires, electromagnetic fields, oil wells/sumps, landfill gas migration, safe drinking water, aircraft safety, and hazardous materials. This portion of the General Plan also describes the emergency response capabilities of the various disaster service agencies within Santa Maria.

#### *Geologic and Seismic Hazards*

Santa Maria City Council adopted an unreinforced masonry (URM) implementation ordinance in 1989. The ordinance adopted standard and a time schedule for reinforcing URM buildings based on the type of building and its occupancy load. The City has identified 28 URM buildings within the City. Approximately 20 property owners complied with the January 1, 1993 date to submit rehabilitation plans for their URM building.

To mitigate this hazard, the City has already:

- Adopted an Unreinforced Masonry Ordinance that contains a compliance schedule.
- Adopted the most recent editions of the Uniform Building Code, the Uniform Fire Code, the Uniform Housing Code, the Uniform Plumbing Code, the National Electrical Code, and the Hazardous Building Code.
- Implemented public education programs during earthquake preparedness month.

### *Flooding*

The Santa Maria River Levee, built by the US Army Corp of Engineers, is designed to protect the City from the 100 year flood. The County of Santa Barbara Flood Control District patrols the levee any time there is more than a few hundred cubic feet per second flowing in the river. Levee erosion has been experienced and if the levee was allowed to rupture, it could cause flooding south of the Levee.

To mitigate this hazard, the City has already:

- Successfully lobbied for Federally-funded rehabilitation of 6.3 miles of the levee; rehabilitation work began in January 2009 and was substantially complete as of April 2011.
- Participation in the National Flood Insurance Program.
- Developments adjacent to the Santa Maria River have dedicated 60 foot wide buffer zones next to the levee.
- New developments in the 100-year floodplain have complied with the requirement that finish floor elevations be at least 2 feet above the 100- year flood plain elevation.

### *Fire*

Accumulating weeds along roadsides and in vacant lots make urban locations potentially susceptible to wildland fires. For these reasons, an enforceable weed abatement program is necessary to reduce these risks whenever structures are present. To reduce the risk of urban fires, fire codes and building setback restrictions are enforced.

To mitigate this hazard, the City has already:

- Developed an ongoing weed abatement program.
- Adopted the most recent edition of the Uniform Fire Code.

### *Electromagnetic Fields (EMF)*

The California Public Utilities Commission (CPUC) encourages utilities to take no-cost and low-cost measures to reduce exposure from new or upgraded utility facilities. It directs that no-cost mitigation measures be undertaken, and that low-cost options be implemented through a CPUC project certification process. Four percent of total budgeted costs is the benchmark in developing EMF mitigation guidelines, and mitigation measures should achieve some noticeable reductions. Some mitigation measures include siting new facilities in alternative locations, increasing right-of-way widths, altering line or tower geometry, using higher voltages to reduce current levels, and underground utilities.

To mitigate this hazard, the City has already:

- Collected a compilation of data regarding the recent studies associated with EMFs.

### *Oil Wells and Oil Sumps*

The source for local oil regulations is the Santa Barbara County Petroleum Ordinance. The City's Municipal Code adopts the County ordinance as the petroleum ordinance of Santa Maria. New facilities (wells, tanks, etc) must follow applicable regulations, including the Uniform Fire Code, and require permits from the County Petroleum Department and/or the California Division of Oil, Gas, and Geothermal Resources. In addition, new facilities cannot be located within certain distances from roadways and existing buildings. The County Petroleum Department and the State Supervisor of Oil, Gas, and Geothermal Resources both have the power to determine that a well, an oil field, or

other operations covered by the ordinances are safety hazards and, therefore, have the right to compel the operator to make modifications to correct unsafe conditions. Abandoned wells must have a ten foot wide radius “no build” easement measured from the well if the well resides in a residentially zoned area. For non-residential property, the property owner has the choice of recording the ten foot wide “no build” easement around the well, or installing an approved venting system over the well, in which case a structure may be built over the well.

To mitigate this hazard, the City has already:

- Adopted a Petroleum Ordinance and the designation of the County Petroleum Engineer to act on the City's behalf.
- Remediated several oil Bump/contaminated soil areas within the City Limits.
- Recent projects have recorded 10 foot radius "no-build" easements over abandoned oil wells.

#### *Landfill Gas Migration*

The City of Santa Maria owns and operates a sanitary landfill located in the northeast portion of the City. In addition, abandoned landfill areas are located underneath Preisker Park and around the Santa Maria Public Airport. A hazard associated with existing and abandoned landfills is underground methane gas migration. California Code of Regulations (CCR) under Title 14, Chapter 3, Article 7 apply to LFG production, containment, control, and utilization at Class III sanitary landfill sites. The CCR "Minimum Standards" are enforced by the California Integrated Waste Management Board (CIWKB) and the Local Enforcement Agency (LEA) . For the City of Santa Maria, the LEA is the Santa Barbara County Environmental Health Division.

To mitigate this hazard, the City has already:

- Installed 24 City owned LFG monitoring wells around the Santa Maria Regional Landfill.

#### *Safe Drinking Water*

In 1974, the Federal Safe Drinking Water Act was passed to establish standards for public drinking water. In 1986, the Act was amended to further safeguard the sources and treatment of water. The Environmental Protection Agency (EPA) and the State Department of Health Services (SDHS) set quality standards which require water suppliers to monitor and treat public drinking water for potentially harmful contaminants. Drinking water is provided to the City by the City of Santa Maria. If overdrafting of the groundwater basin continues, additional treatment of City water may be needed because of increased total dissolved solid (TOS) levels in the groundwater .

To mitigate this hazard, the City has already:

- Produced drinking water that does not exceed Maximum Contaminant Levels.
- Addresses water supply reliability in its Urban Water Management Plan, which is posted on the City's website.

#### *Aircraft Safety*

The Santa Maria Public Airport is within the Airport Area of Influence. This area is divided into three areas of major concern: height restrictions, safety, and noise. Policies regarding these three issues have been established.

To mitigate this hazard, the City has already:

- Adopted the Clear Zone and Airport Approach Overlay zoning designations.

### *Hazardous Materials*

Hazardous materials are found throughout the Planning Area. The use and storage of hazardous materials is primarily regulated by the Uniform Fire Code. Transport of hazardous materials and waste on public streets is primarily regulated by the California Vehicle Code and the City's Municipal Code. Storage and disposal of hazardous wastes is primarily regulated by the Santa Barbara County Environmental Health Services Division through its Hazardous Waste Generator Program as authorized by the State Health and Safety Code. Santa Barbara County's Site Mitigation Program administered by the EHS is responsible for the supervision of cleanup at contaminated sites throughout the County, including sites within the City Limits.

Although incidents may occur anywhere at any time, certain portions of the Planning Area are more likely to be the site of an accident involving hazardous materials including Highway 101, Highway 166, Betteravia Road, fixed facilities along Blosser Road, railroads, and airport industrial zones.

To mitigate this hazard, the City has already:

- Adopted the countywide Household Hazardous Waste Element in 1995.
- In accordance with Article 80 of the Uniform Fire Code, industrial and commercial hazardous material users are required to provide the County of Santa Barbara Fire Department with either a hazardous material inventory statement or a hazardous materials management plan that lists the hazardous materials used on the site, a description of where and how each is stored, and how each react in a fire.
- Industrial and commercial hazardous material users are required to provide a Business Plan to the County Environmental Health Services Department.
- The California Highway Patrol and the City's Municipal Code have designated appropriate hazardous material transport routes.

### *Emergency Services*

The City's emergency preparedness capabilities include Chapter 17 of Title 2 of the Municipal Code, the Multi-Hazard Functional Plan, and the California Master Mutual Aid Agreement. Santa Maria has a functional Emergency Operations Center (EOC) to be activated in the event of an emergency.

#### ***15.3.5.2 Zoning and Subdivision Ordinances***

The State of California has empowered all cities, and counties to adopt zoning ordinances. The City's **Zoning** Ordinance is detailed in Title 12 of the Santa Maria Municipal Code. The City's **Subdivision** Ordinance is detailed in Title 11 of the Santa Maria Municipal Code. The full text of the Santa Maria Municipal Code is available for review in the City Clerk's office, the Public Library, or at the City's website, <http://www.ci.santa-maria.ca.us/3033.shtml>

#### ***15.3.5.3 Building Codes***

The State of California is responsible for enacting the California Building Code, which the City is responsible for enforcing locally. The California Building Code is based on the 2001 Uniform Building Code with State amendments.

The Building Division is principally responsible for enforcing State and City codes for building residential and commercial structures. The enforcement of environmental codes and guidelines for maintaining existing structures is a shared responsibility of the Building Division, Fire Department, and City Attorney's Code Compliance Division.

#### *15.3.5.4 Floodplain Management Ordinance*

The City of Santa Maria has an enforced floodplain ordinance requiring that all habitable floors must be built above the 100-year floodplain and the special flood hazard areas. It is important to note, however, that there are areas of the City that may flood due to the inadequate capacities of their stormwater infrastructure – not because of their proximity to 100-year floodplains.

The FIRMs were developed through the NFIP and were last updated in September 2005 and made available in GIS format as Digital Flood Insurance Rate Maps. These are shown in Section 5.3.3 which discusses the location and extent of the flooding hazard throughout Santa Barbara County. Also on file with the Santa Barbara Operational Area Office of Emergency Services, County Flood Control, and the Santa Barbara City Public Library are maps that identify floodplains, along with evacuation routes and locations of public shelters. The FIRMs are used by both the public and private sector to determine flood insurance requirements and rates and to administer the City's Flood Zone Management Ordinance (Chapter 9-10 of the Santa Maria Municipal Code). These maps, last updated in 2005, do not reflect the recent (2009-2011) rehabilitation of the Santa Maria River Levee; future new maps will reflect updated calculations.

Floodplain districts identified in the FIRMs include the following flood hazard zones and definitions:

- **Zone A** is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the Flood Insurance Study (FIS) by approximate methods. Because detailed hydraulic analysis is not performed for such areas, no Base Flood Elevations or depths are shown within this zone.
- **Zone AE** is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the FIS by detailed methods. In most instances, whole-foot Base Flood Elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.
- **Zone AH** is the flood insurance rate zone that corresponds to the 100-year floodplains that are flood depths of 1 to 3 feet (Usually areas of ponding); base flood elevations determined.
- **Zone X** is the flood insurance rate zone that corresponds to areas outside the 500-year floodplain, areas within the 500-year floodplain, and to areas of 100-year flooding where average depths are less than 1 foot, areas of 100-year flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 100-year flood by levees. No Base Flood Elevations or depths are shown within this zone.
- The Community Development Department provides the floodplain maps and interpretations of floodplain district locations are made by the Federal Emergency Management Agency (FEMA). The ordinance contains provisions for public utilities and facilities, such as sewer, gas electrical and water systems, manufactured homes, recreational vehicles, and existing structures.

All potential development projects located within floodplains must follow an established development review process. Developments involving drainage ditches or watercourses in floodplains must receive Federal, State and Local review and permits as required by the Floodplain Administrator and the Santa Maria Municipal Code.

#### *15.3.5.5 Repetitive Loss (RL) Properties*

Repetitive Loss Properties are defined as property that is insured under the NFIP that has filed two or more claims in excess of \$1,000 each within any consecutive 10-year period since 1978. There are no Repetitive Loss Properties within the City of Santa Maria, according to a Federal Emergency Management Agency (FEMA) regional representative whom was asked that question by City staff on July 26, 2011. Therefore, that relieves the City of the need to identify funding or education/engineering plans to reduce the risk of flooding to those properties.

#### *15.3.5.6 City of Santa Maria Stormwater Plan*

During its first year of enrollment under the General Permit, the City made great strides in implementing its Storm Water Management Program. Some program highlights of Permit Year 1 include:

- Development of a robust Public Education and Outreach program resulting in greater community awareness and volunteering for Project Clean Waterways work days.
- A Water Quality Monitoring Program that is focused on local water quality impairments and challenges (Appendix A) and the goal of reducing and improving discharges to receiving water bodies.
- Creation of a targeted Business and Industry Inspection Program including enforcement actions resulting in observable operational changes for some local businesses.
- GIS mapping of Mutt Mitt stations, storm water basins, channels, and other drainage facilities.
- Adoption of a practical and City-specific Storm Water Runoff Pollution Prevention Ordinance to the City Municipal Code.
- An overall greater understanding of the City's drainage sub-watersheds, its MS4, urban pollutant sources, and challenges arising from storm water co-mingled with agricultural runoff.

#### *15.3.5.7 The Stormwater Management Program*

In October 1990, the National Pollutant Discharge Elimination System (NPDES) became the Federal law for regulating stormwater runoff to reduce pollution.

The City's Utilities Department continually maintains over 450 miles of water mains, 350 miles of sewer lines, and other storm drainage-related structures throughout the City's drainage system. The division has a Stormwater Management Plan, which outlines design criteria and policies, City standards, and technical specifications for infrastructure development. The City's approved March

2010 Stormwater Management Plan is on the City's website at <http://www.ci.santa-maria.ca.us/stormwatermanagement/StormWaterManagementPlan.html>

#### ***15.3.5.8 SEMS Multi-Functional Emergency Management Plan***

In 2004, the City completed an update of the Multi-Hazard Functional Plan (MHFP) which details the City's disaster operations activities. The MHFP includes provisions for the adoption and use of SEMS in the management of disasters in the City. The plan discusses disaster mitigation activities through training and exercises. The objective is to train and educate emergency response personnel, public officials and community members to prepare for disasters before the disaster occurs, to survive during the disaster, and to recover after the disaster. Exercises provide an opportunity to become familiar with procedures, facilities and systems, which will actually be used in emergency situations. The controlled environment of an exercise allows personnel to experience the stresses and pressures of operating in a disaster situation without the real-world consequences that can occur when errors are made. There are three levels of exercises:

- Tabletop exercises provide a simple and economical means of evaluating policies, plans, and procedures and resolve coordination and responsibility issues. Tabletop exercises are a good way to see if policies and procedures exist to handle certain issues.
- Functional exercises are designed to test and evaluate the capability of an individual function such as evacuation, medical, communications, and public information.
- Full-scale exercises simulate an actual incident. They typically involve complete emergency management staff activation and are designed to evaluate the operational capability of the emergency management system.

A copy of the City's MHFP is available for review in the Fire Department Administration Office during regular business hours.

#### ***15.3.5.9 City of Santa Maria Economic Development Element***

##### *Core Policies*

1. Effectively target the recruitment of commercial, industrial, and retail enterprises that best fit Santa Maria's market and infrastructure. Continue to identify target industries.
2. Utilize a sophisticated and effective Strategic Workforce Action Team (SWAT) that best responds to commercial/industrial (job producing) prospect contacts, resulting in ultimate job creation.
3. Provide a cost-effective, operational Geographic Information System (GIS) with the ability to have integrated layered information, easily updated, in operation after occupancy of the new library.
4. Provide sufficient commercial/industrial sites that meet the size and location needs of prospects. To that end, unless the subject property clearly cannot be used for industrial purposes, suppress the rezoning of any sites from existing industrial zoning unless an equal

or greater amount of land is zoned to an industrial classification prior to or during the zoning process.

The above policy shall be applied on a case-by-case basis and shall consider some or all of the following factors:

- a) The amount of industrially-zoned land (in acres) currently available at the time of the rezoning request that is readily available for construction.
  - b) The land feasibility of the site for industrial development (due to such factors as the size and configuration of the parcel or remaining site area).
  - c) Any County property approved by LAFCO for annexation which is rezoned to industrial and feasible for development.
  - d) A Santa Maria Multiplier Impact rating at or above 2.11 and/or within one-half point of the average of all industries within the California RIMS II jobs multiplier.
  - e) Additional factors may be considered as appropriate for the site being considered.
5. Create and utilize ordinance amendments to address problems that thwart business creativity.
  6. Streamline development processes using proven methods, such as concurrent permit processing or Performance Evaluation Review Technology (PERT).
  7. Turn the current State budget crisis and negative impact to businesses into a positive situation by contacting businesses threatening to leave the Tri-County regions by emphasizing the many assets common to Santa Maria including the relatively low cost of doing business.
  8. Adopt and implement an industrial preservation zone to protect scarce industrially-zoned properties to facilitate long-term job growth.

*Note: Items 1, 2 and 7 are the primary responsibility of the Santa Maria Valley Chamber of Commerce. Items 3, 4, 5, 6 and 8 are the primary responsibility of the City of Santa Maria. The City contracts with the Chamber for economic development services.*

#### ***15.3.5.10 City of Santa Maria Capital Projects***

The City of Santa Maria has the Capital Projects report to list the improvement categories within the City and where the funding is going to each project within a given category. Within the Public Safety category, some projects are designed to allow fire personnel to respond more efficiently during an event, for example by providing fueling stations or department servers/equipment. Some of the Public Works/Utilities capital projects will also mitigate hazards by improving hydrants and water distribution, which would be key in a fire emergency. Other specific projects that can mitigate hazards are below.

- POLICE DEPARTMENT HEADQUARTERS. Preliminary design and engineering structural and communications improvements and maintenance of future Police Department headquarters.
- INFORMATION TECHNOLOGY UPGRADES/CONTINUITY OF OPERATIONS: Relocate server farm to a secure location, interoperable and compatible replacement and maintenance of CAD/LRMS system, interoperable and dependable communications, network disaster recovery site, potential need for alternative Institutional Network fiber network.

- BRIDGE MAINTENANCE AND REPAIR. Survey and assessment of local bridges to determine required repairs and maintenance.
- ANNUAL DRAINAGE IMPROVEMENTS. Repair substandard drainage facilities and construct new facilities to aid storm water drainage.
- BETTERAVIA STORM DRAIN IMPROVEMENTS. Improve substandard drainage facilities and construct improvements to aid storm water drainage.
- MILLER STREET/MARIPOSA WAY STORM DRAIN. Install approximately 175 LF of storm drain in Miller Street at Mariposa Way to an existing catch basin in Miller Street.
- ANNUAL OPTICOM RETROFIT. To retrofit three to four existing traffic signals with an opticom signal preemption system for emergency vehicles.
- AERIAL IMAGERY. Capture aerial images of the City and surrounding areas for mapping and geospatial analysis.

## 15.4 HAZARD ASSESSMENT

*The Hazard Assessment presented here reflects the City's 2011 review and modifications to the updated risk assessment presented in Sections 5 and 6 of the County Plan. Applicable hazard information from the City's 2004 plan was incorporated during the development of this section.*

The City of Santa Maria's Local Planning Team reviewed the hazard ranking worksheet developed by the County MAC and used the same system to rank and prioritize hazards specific to the City of Santa Maria. Table 15-6 provides the summary hazard ranking for the City of Santa Maria while Table 15-7 provides the ranking worksheet for how the Local Planning Team calculated each specific hazard as impacting the City.

**Table 15-5  
City of Santa Maria - Hazard Ranking and Planning Consideration 2011**

Hazard Type and Ranking	Planning Consideration Based on Hazard Level
Economic (Human Activity)	Moderate
Earthquake	Limited
Fire, Urban (Multi-structure)	Limited
Wind	Limited
Infrastructure Disruption (Power, Internet, Road, Water, etc.)	Limited
Fire, Wildland	Limited
Agricultural, Freeze	Limited
Agricultural, Heat	Limited
Pandemic	Limited
Hazardous Materials (CBRNE)	Limited
Flood, Urban	Limited
Drought	Limited
Thunderstorm	Limited
Agricultural, Invasive Species	Limited

It is noted that the City expanded the list of hazards from those considered by the County-wide MAC. However, all of the natural hazards have been given a "limited" ranking for planning consideration.



For the purposes of continuing compliance with the Disaster Mitigation Act of 2000, the City accepts the County's natural hazard profiles presented in Section 5 with the following notes. While the County MAC considered Landslide/Coastal Erosion, Dam Failure, and Tsunami as potential hazards within the County, the City of Santa Maria Local Planning Team acknowledged these are not a threat within the City limits.

The additional hazards identified and ranked by the City may be considered further in future updates to this plan. At this time, the City's objective was to document the potential threat of a comprehensive list of hazards. No additional hazard profiles, beyond those prepared at a County-wide level were deemed necessary by the City's Local Planning Team during the development of this plan.

### EARTHQUAKE

- The City is located in Seismic Zone 4, which is the highest potential status for earthquake in California. Many potential quake faults have been mapped in the Santa Maria Valley, as well as some areas that may be subject to liquefaction. However, there is a high likelihood that there are unidentified faults and unidentified areas of potential liquefaction in the area.
- The City adopted an unreinforced masonry ordinance and all known unreinforced masonry buildings have been retrofitted to meet seismic requirements. The City does have a significant number of buildings that are over 50 years old, and are subject to damage from a major quake but are not required to be retrofitted because of low occupancy. The Building Division has a list of buildings that have been retrofitted, are in need of retrofitting, and those that are not required to be retrofitted.
- The City's water reservoirs are located primarily below ground and are designed to resist a strong earthquake. However, the piping from the reservoirs to the City water system may be vulnerable to damage from a quake. Two of the City's reservoirs do not have seismic valves that would close in the event of an earthquake and retain the water in the reservoirs for domestic and firefighting use.
- The City has limited capability to provide generator power to operate the water wells, water reservoirs, and wastewater treatment plant during a prolonged power outage. The City also has limited capabilities to operate fuel facilities during prolonged power outages. This limited capability would leave the City unable to adequately meet the community's needs in the event of a prolonged power outage. The City has been including generator power plants as part of the on going updating of the water wells, reservoirs and wastewater treatment plant activities. However, this is a long-term process and funding is not available to speed up this process.

### LOCALIZED URBAN FLOODING

- The City of Santa Maria is located at the floor of a valley, and was formerly a riverbed. When the City was first developed, the pioneers diverted the Santa Maria River to create the corporate City limits. The Army Corps of Engineers subsequently constructed the Santa Maria River Levee to contain the river flow to the north end of the valley. Due to the relatively flat terrain, the City is subject to localized urban flooding during rainstorms and from agricultural irrigation runoff from the east side of the City. While the City has generally developed and maintained infrastructure to control storm water and agriculture water runoff, there are areas of the City which were annexed from the Counties of Santa

Barbara and San Luis Obispo which did not have adequate storm water and agriculture water runoff infrastructure in place.

- The City has an on-going program of assessing the areas within the City that are subject to localized urban flooding and has allocated budget funds when available to improve the storm drain system. These areas include:  
The Edwards Basin along Panther Drive, which floods in heavy rains and requires pumping to empty the water; the intersection of Blosser Road at DeJoy and Creston; Jones Street from Bradley to Suey near the Bradley Channel; Inger-Broadway; Miller Street at Mariposa; Sonya and Depot; and Betteravia at the Mahoney “Y”; and sections of Black Road.
- The LPG has identified two areas of the City that could benefit from the allocation of disaster mitigation funds to reduce the potential for damage from localized urban flooding.
  - The Country Club Estates Subdivision was annexed from the County of Santa Barbara and the downstream area (west) of that subdivision does not have adequate infrastructure to carry storm and agriculture water runoff and localized flooding has occurred.
  - The Hancock Park Subdivision has inadequate sized piping to carry the storm and agriculture water runoff and localized flooding has occurred. The existing infrastructure runs under the subdivision and adding to or expanding the existing piping is not feasible. An alternative routing of the new infrastructure needs to be done to adequately meet the needs.

#### SANTA MARIA RIVER LEVEE FAILURE

- The City of Santa Maria is bordered on the north by the Santa Maria River Levee. The Santa Maria River is a seasonal river, carrying runoff from the Sisquoc Watershed, east of Santa Maria, and water from the Twitchell Reservoir, northeast of Santa Maria.
- According to information provided by Santa Barbara County Flood Control officials, the Levee was constructed in a manner where it could be breached. The U.S. Army Corps of Engineers recently completed a project that installed a new levee system in front of the old levee. This repair brought the levee up to current Army Corps of Engineers standards. There is a short section of the levee east of Santa Maria that is still in need of repair. Funding is being sought to complete repairs to that section of the levee. Now that most of the levee has been rehabilitated, new flood mapping would have to be performed to calculate the impact.

#### TWITCHELL DAM FAILURE

- The Twitchell Dam was constructed in the early 1950's to serve as a flood control and groundwater basin recharge tool. The dam receives runoff water from approximately 1,135 square miles of Cuyama and Sisquoc watershed areas north and east of Santa Maria. The dam has a storage capacity of approximately 257,000 acre-feet of water. The dam is a seasonal water collection system and water is released on a regularly scheduled basis to recharge the groundwater basin in the Santa Maria Valley.
- The Twitchell Dam is maintained by an on-site caretaker, and while the likelihood of a catastrophic failure of the dam is remote, the potential damage to the City of Santa Maria is significant should a failure occur.

#### HAZARDOUS MATERIALS RELEASE

- The City of Santa Maria has numerous commercial and industrial businesses that utilize hazardous materials as part of their daily operations. In addition, the Santa Maria Valley is

home to agricultural operations that produce a multitude of crops that are distributed both locally and worldwide. With these agricultural activities comes the use of agricultural-related chemicals.

- In addition to the use and storage of hazardous materials in the City and surrounding valley, Santa Maria is in close proximity to Vandenberg Air Force Base and a significant amount of hazardous materials are stored and used there. While Vandenberg has an excellent safety record related to their hazardous materials, the threat of a significant release due to accidental or intentional acts is ever present. Should a significant release occur at Vandenberg, the City could be affected.
- The City has been very fortunate in the past and has had no serious releases of hazardous materials. That being said, the City needs to identify those businesses that pose a threat to large areas of the community in the event of a release of hazardous materials and develop an evacuation plan that is specific to that facility and the product(s) they could release. The City has no such plan in place at this time and addresses this issue only in a generic form in the Multi-Hazard Functional Plan.

#### DIABLO CANYON NUCLEAR POWER PLANT

- The Diablo Canyon Nuclear Power Plant, operated by the Pacific Gas and Electric Company (PG&E), is located on the San Luis Obispo County coast approximately 12 miles west of the City of San Luis Obispo and 30 miles northwest of the City of Santa Maria.
- Emergency response action plans are not specifically required for Santa Barbara County for a nuclear power emergency at the Diablo Canyon Power Plant. Santa Barbara County is beyond the Diablo Canyon Emergency Planning Zone (EPZ). However, the City of Santa Maria is committed to a support role in the event of an emergency in San Luis Obispo County involving Diablo Canyon, since the City of Santa Maria may become a support/host area for evacuees. The presumption is based on the evacuation patterns following the north-south transportation grid within the areas involved.
- Emergency planning requirements for nuclear power plants are based on guidance from the Nuclear Regulatory Commission (NRC), Federal Emergency Management Agency (FEMA) and State Office of Emergency Services (OES). The State OES has established a planning area for the Diablo Canyon Power Plant that is larger than that required by the NRC and FEMA. The City of Santa Maria has adopted the official State emergency planning zones.

## 15.5 VULNERABILITY ASSESSMENT

The vulnerability assessment has been improved from the previous plan in that this update considers a specific list of critical facilities identified within the City of Santa Maria. The previous plan (2004) relied on the dataset used in FEMA's HAZUS software as a representation of assets.

The City of Santa Maria identified 90 critical facilities for consideration with regard to mitigation planning. These facilities primarily include utilities, government, and public safety structures. Based on available data these buildings are worth approximately \$169 million in structure value and \$83 million in reported content value for a general citywide exposure to critical facilities of \$244 million. At the time of this plan update, the City did not have replacement values for approximately one-third of the structures. This vulnerability assessment was conducted using the available values.

The total results of the critical facilities shown to be impacted (AT LEAST moderately) from each hazard are shown in the table below:

Hazard Type	Specific Risk	Count or (Average)	% of Critical Facilities Impacted	Exposure*
Flood				
	FEMA Flood Zone	20	22%	\$62,930,437
	Flood Overlay Zone	3	3%	\$484,557
Fire				
	Fire Severity Zone	0	0%	\$0
	WUI	87	96%	\$245,106,212
	Fire Threat	56	62%	\$119,696,836
Dam Inundation		68	73%	\$208,696,400
Tsunami Inundation		0	0%	\$0
Landslide Incidence		0	0%	\$0
Earthquake				
	Groundwater/Liquefaction Severity	91	100%	\$243,588,722
	Peak Ground Acceleration	(.98)	N/A	N/A

\*- Exposure is based on a combination of building structure value and contents value. In all cases some of the impacted structures had incomplete values for structure, contents, or both.

In summary, a majority of the City of Santa Maria critical facilities are:

- Within moderate wildfire threat and designated Wildland Urban Interface areas
- Within the Twitchell Dam Inundation Area
- Within moderate severity for Groundwater/Liquefaction

A further description of the threats and methodologies used in the table above is provided in Section 6 of the countywide mitigation plan. As the City continues to assess its vulnerability the collection of better data will help to improve the risk assessment process in order to direct planning and mitigation decisions.

Table 15-8 presents the 90 identified critical facilities and available values. The Map ID number for each critical facility corresponds to those found on the following maps showing the location of the critical facilities in relation to the County's profiled hazards. Using a GIS and the data shown in these maps, it was determined which critical facilities are exposed to which hazards by whether or not they fall within the mapped hazard area. The results of the exposure analysis are included in Section 15.8 as Attachment 3: Exposure Analysis.

**Table 15-7 Santa Maria Critical Facilities**

<b>Map ID</b>	<b>Critical Facility</b>	<b>Bldg Value</b>	<b>Contents Value</b>	<b>Capacity</b>
1	Main Office/Maint Shop	\$5,000,000	\$400,000	52
2	Landfill Scale House/Scale	\$491,704	\$108,525	3
3	NHIS Scale House/Scale	\$30,000	\$10,000	1
4	Hazardous Waste Facility	\$918,200	\$250,000	0
5	Co-Gen Facility (Contractor: J&A)	\$0	\$1,500,000	0
6	Co-Gen Facility (Contractor: J&A)	\$0	\$2,000,000	3
7	Old Scale House (Non-Operational)	\$20,000	\$0	0
8	Trailer Office (Contractor: CCRR)	\$55,000	\$10,000	6
9	Baler (Contractor: CCRR)	\$400,000	\$200,000	2
10	Fire Suppression Pump House	\$20,000	\$370,000	0
11	Emergency Generator House	\$20,000	\$100,000	0
12	Water Well	\$100,000	\$0	0

<b>Map ID</b>	<b>Critical Facility</b>	<b>Bldg Value</b>	<b>Contents Value</b>	<b>Capacity</b>
	Operations #1			
13	Water Well Operations #2	\$100,000	\$0	0
14	Flare Facility	\$1,300,000	\$0	0
15	Waste Water Treatment Facility	\$3,394,018	\$27,891,887	25
16	Main Office	(Included in WWTP)	(Included in WWTP)	7
17	Maintenance Shop	(Included in WWTP)	(Included in WWTP)	0
18	Septage Receiving Station	(Included in WWTP)	(Included in WWTP)	1
19	Co-Gen/Flares (Contractor: USE)	\$500,000	\$1,800,000	0
20	Water Well #5H	\$0	\$200,000	0
21	Water Well #5	\$0	\$200,000	0
22	Water Well #6 (Not Operational)	\$5,000	\$200,000	0
23	Water Well #7	\$5,000	\$200,000	0
24	Water Well #8	\$5,000	\$200,000	0
25	Water Well #9	\$5,000	\$200,000	0
26	Blending Station	\$1,203,721	\$9,460,044	0
27	Water Well #10	\$5,000	\$200,000	0
28	Water Well #11	\$5,000	\$200,000	0
29	Water Well #12	\$5,000	\$200,000	0
30	Water Well #13	\$5,000	\$200,000	0
31	Water Well #14	\$5,000	\$200,000	0
32	Reservoirs #4, #5, #6	\$50,000	\$21,000,000	0
33	Bower Lift Station	\$0	\$100,000	0
34	Distribution Pressure Station	\$0	\$6,000	0
35	Cuyama Branch Library	\$94,107	\$290,450.00	40

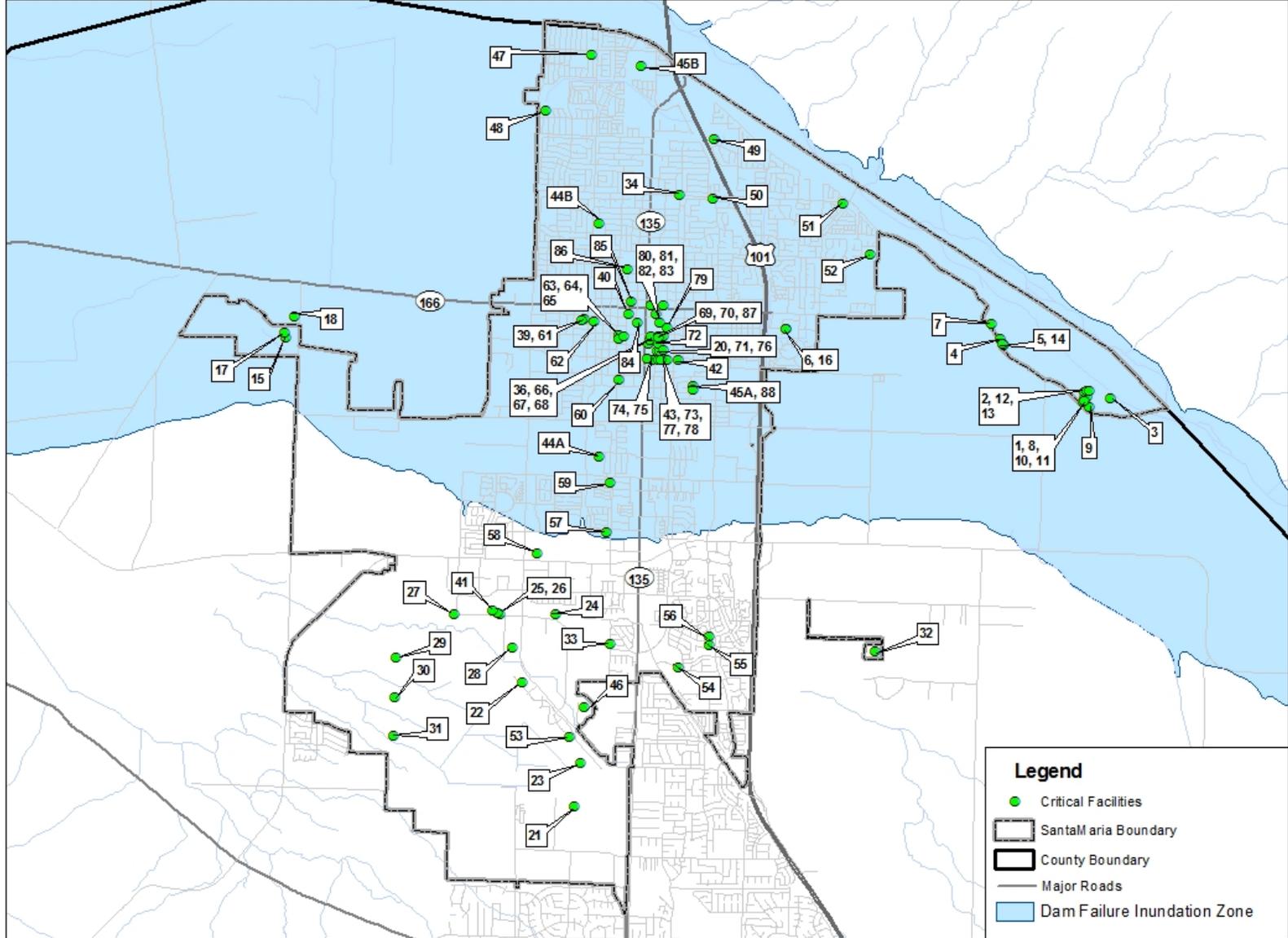
<b>Map ID</b>	<b>Critical Facility</b>	<b>Bldg Value</b>	<b>Contents Value</b>	<b>Capacity</b>
36	New Main Library	\$25,216,157	\$5,589,037	1715
37	Orcutt Branch Library	\$400,000	\$894,485.00	75
38	Guadalupe Branch Library	\$500,000	\$417,209.00	100
39	Public Works Operations Offices and Yard (Including Fleet Fueling Facility, Fleet Maint. Shop, materials storage, etc.)	\$4,000,000	\$1,000,000	45
40	Public Works Engineering Ruffoni Bldg.	\$3,000,000	\$750,000	50
41	SMAT Operations and Maintenance Facility	\$2,200,000	\$600,000	40
42	SMAT Transit Center	\$4,500,000	\$50,000	5
43	Abel Maldonado Youth Center	\$4,865,398	\$1,011,054	0
46	Hagerman Sports Complex	\$1,083,815	\$4,567	0
47	North Preisker Ranch Park			0
48	Grogan Park	\$415,464	\$2,866	0
49	Jim May Park			0
50a	Fire Station #3 (old)	\$153,458	\$36,372	3
50b	Fire Station #3 (new)	\$2,221,200		3
51	Fire Station #5	\$2,343,000		3
52	Edwards Community Center	\$1,556,988	\$33,744	0
53	Fire Station #6			0
54	Maramonte Park	\$321,976	\$1,282	0

<b>Map ID</b>	<b>Critical Facility</b>	<b>Bldg Value</b>	<b>Contents Value</b>	<b>Capacity</b>
55	Rotary Centennial Park			0
56	Fire Station #4	\$1,481,873	\$57,673	3
57	Fire Station #2	\$574,561	\$95,659	3
58	Police Department-New	\$20,989,529		170
59	Safe Haven (Newlove Comm. Bldg)	\$227,161	\$37,489	0
60	Buena Vista Park			0
61	Warehouse/Parks Shop	\$720,427	\$102,912	0
62	Police Offsite	\$793,536	\$149,953	0
63	314 W Cook St Complex	\$285,627	\$110,261	0
64	Fire Administration	\$666,460		0
65	Fire Station #1	\$1,895,200	\$249,523	3
66	Library Parking Structure	\$4,726,465		0
67	Library-Old	\$4,071,697	\$0	0
68	City Hall	\$1,605,082	\$1,564,414	30
69	Police Department "B"	\$2,826,541	\$267,336	0
70	Police Department "A"	\$3,684,008	\$1,570,789	0
71	Paul Nelson Aquatic Center	\$1,397,110	\$38,469	0
72	Lawn Bowling			0
73	Elk's Field	\$222,162	\$12,809	0
74	Recreation and Parks Office	\$712,141	\$162,975	0
75	Museum/Chamber of	\$806,080		10

<b>Map ID</b>	<b>Critical Facility</b>	<b>Bldg Value</b>	<b>Contents Value</b>	<b>Capacity</b>
	Commerce			
76	Simas Park			0
77	Parks Yard			0
78	Rec and Parks Equipment Storage	\$200,730	\$71,831	0
79	Parking Structure "A"	\$30,065,176		0
80	Town Center East			0
81	Parking Structure "B"	\$15,423,098		0
82	Louie B's Parking Lot			0
83	Rosalind Perlman Park Plaza			0
84	Town Center West			0
85	Chapel Street Parking Lot			0
86	Veterans Memorial Community Center	\$2,711,366	\$22,492	0
87	City Attorney/Code Compliance	(Included in Police Department "B")	(Included in Police Department "B")	0
88	Media Center	\$548,792	\$162,642	0
44A	Minami Community Center	\$2,973,421	\$33,528	0
44B	Atkinson Community Center	\$1,865,143	\$13,709	0
45A	Elwin Mussell Senior Center	\$1,383,021	\$37,323	0
45B	Preisker Park			0

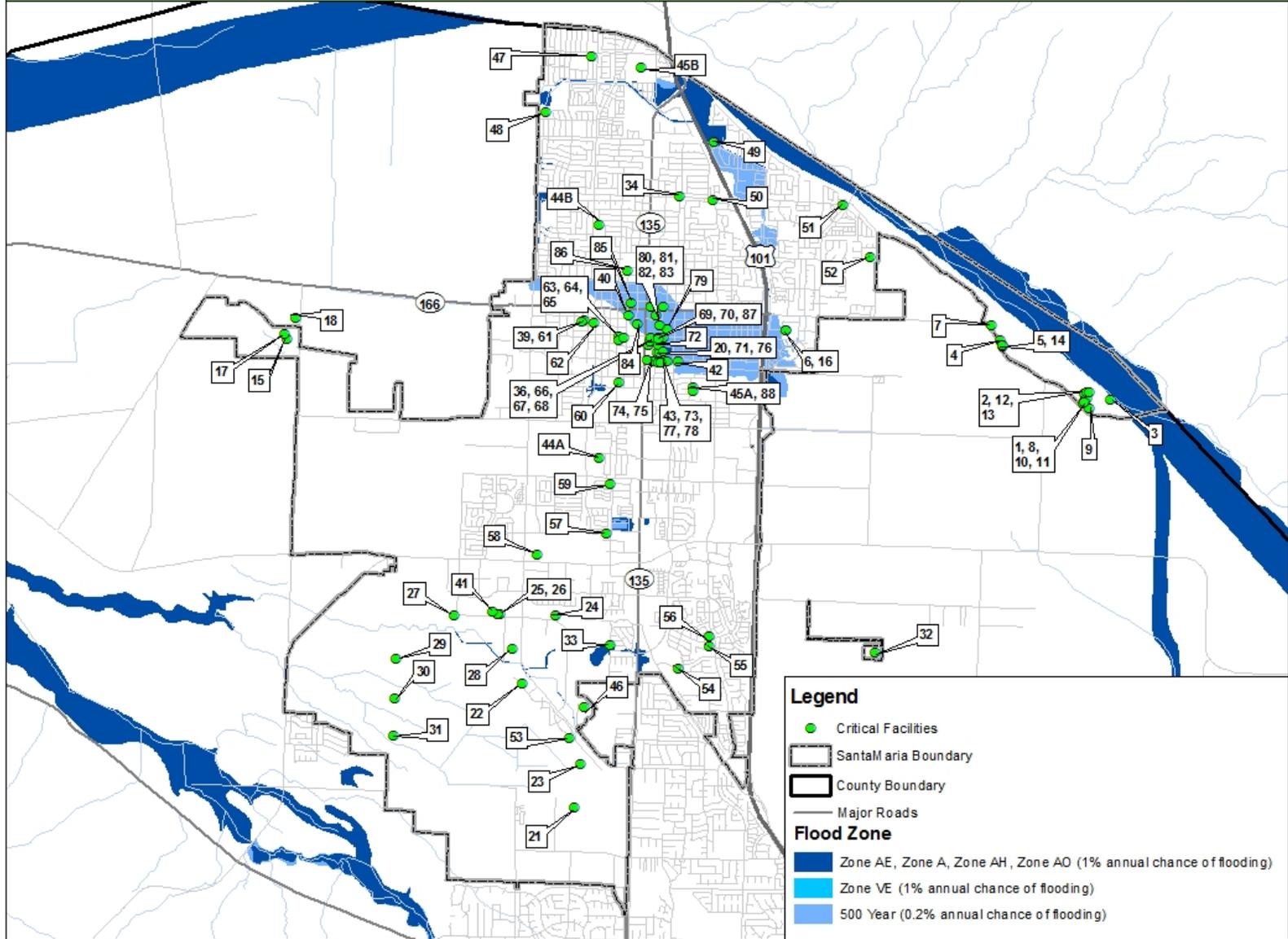
\* - Item 50b, Fire Station #3 (new) was added after the initial analysis was performed. It is expected to be operational within a year and is located approximately 1 mile from the existing Fire Station #3 which is still operational. For the purpose of the citywide vulnerability analysis, the new station is presumed to be exposed to the same natural hazards as the existing station.

### City of Santa Maria Critical Facilities and Dam Failure Inundation Areas

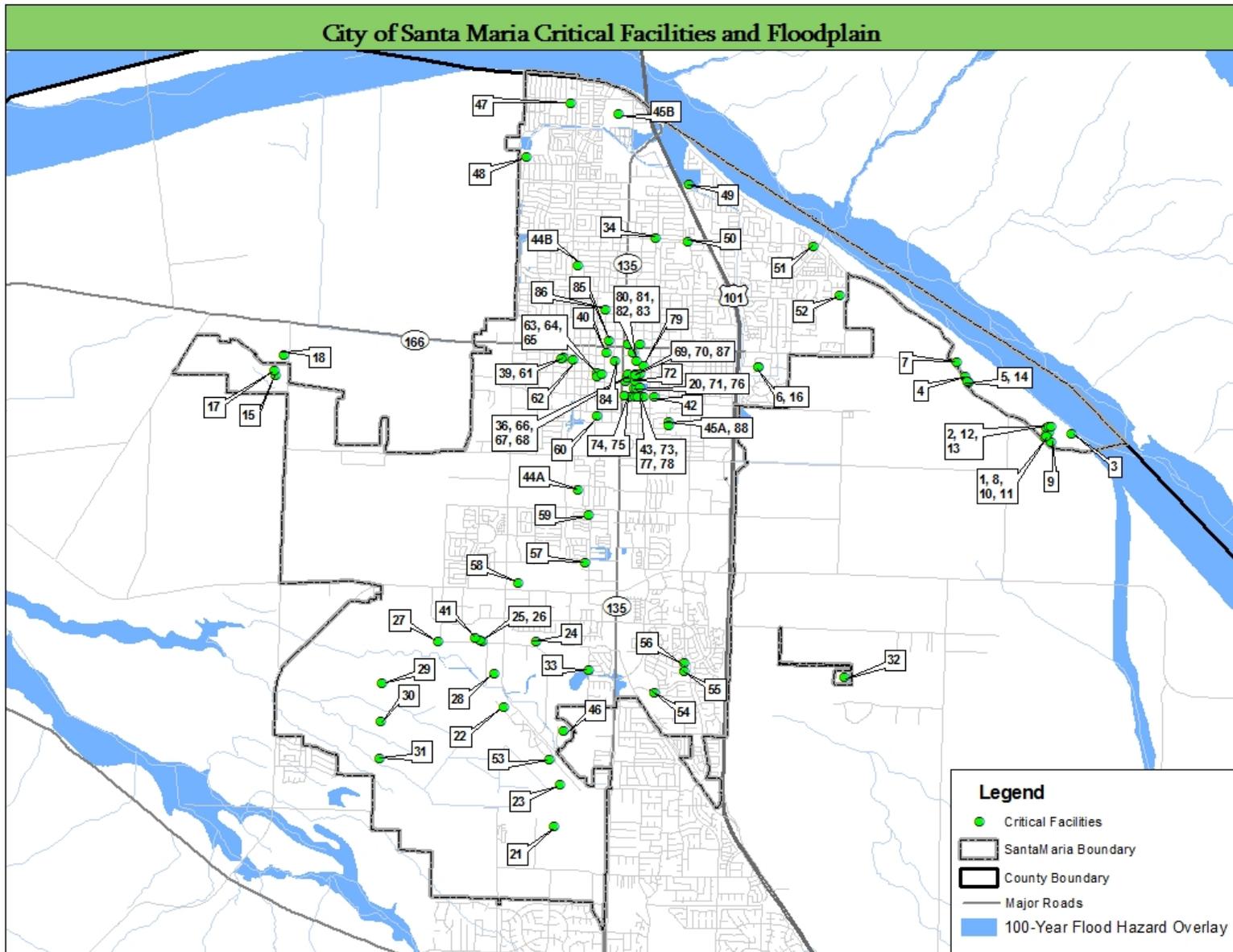


Source: Santa Barbara County Flood Control and Water Conservation District

## City of Santa Maria Critical Facilities and Special Flood Hazard Areas

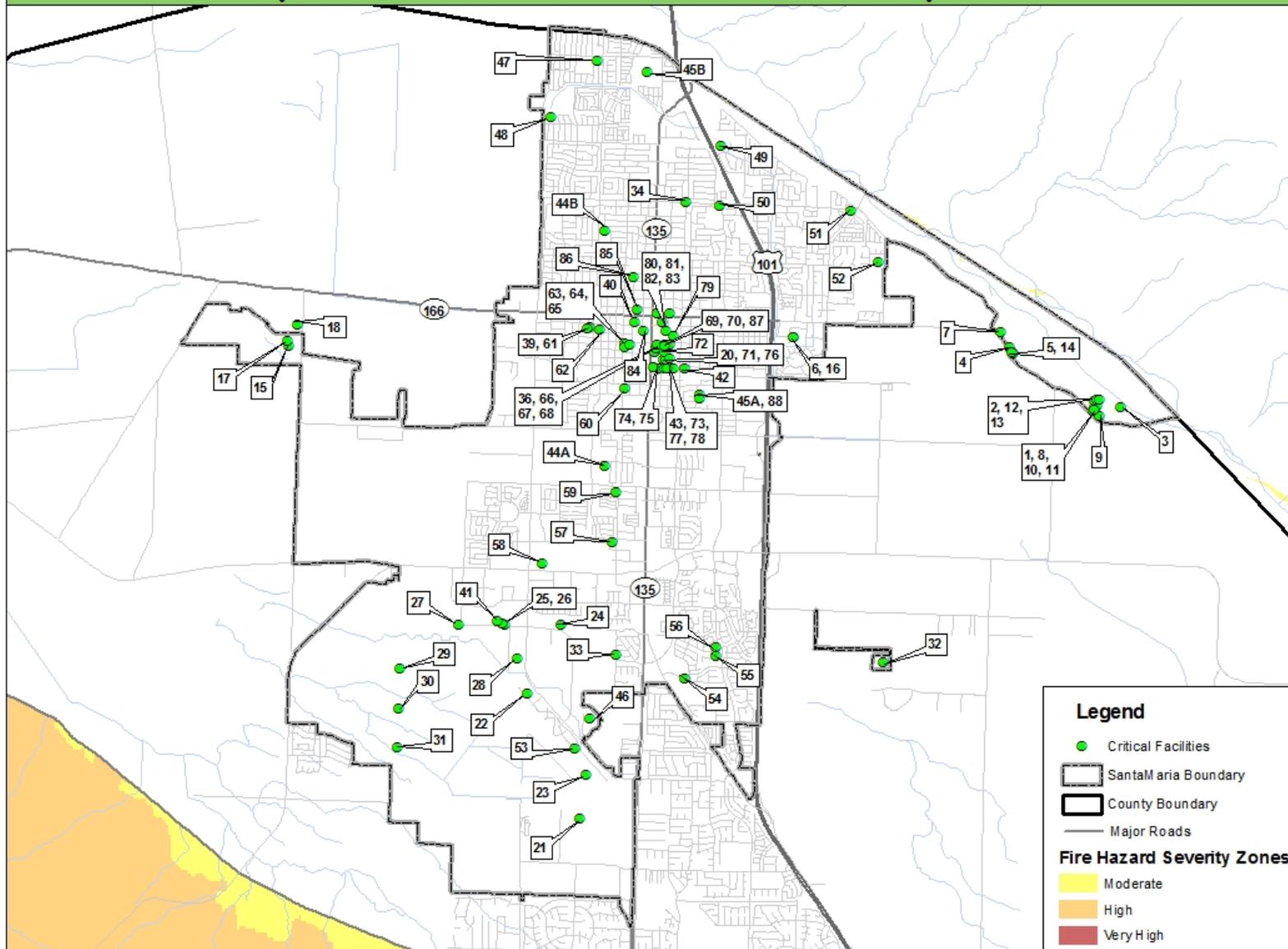


Source: Flood Insurance Rate Map (FIRM) Boundaries, Santa Barbara County GIS available at <http://www.countyofsb.org/itd/gis/default.aspx?id=2802>, September 15, 2009, prepared by FEMA.

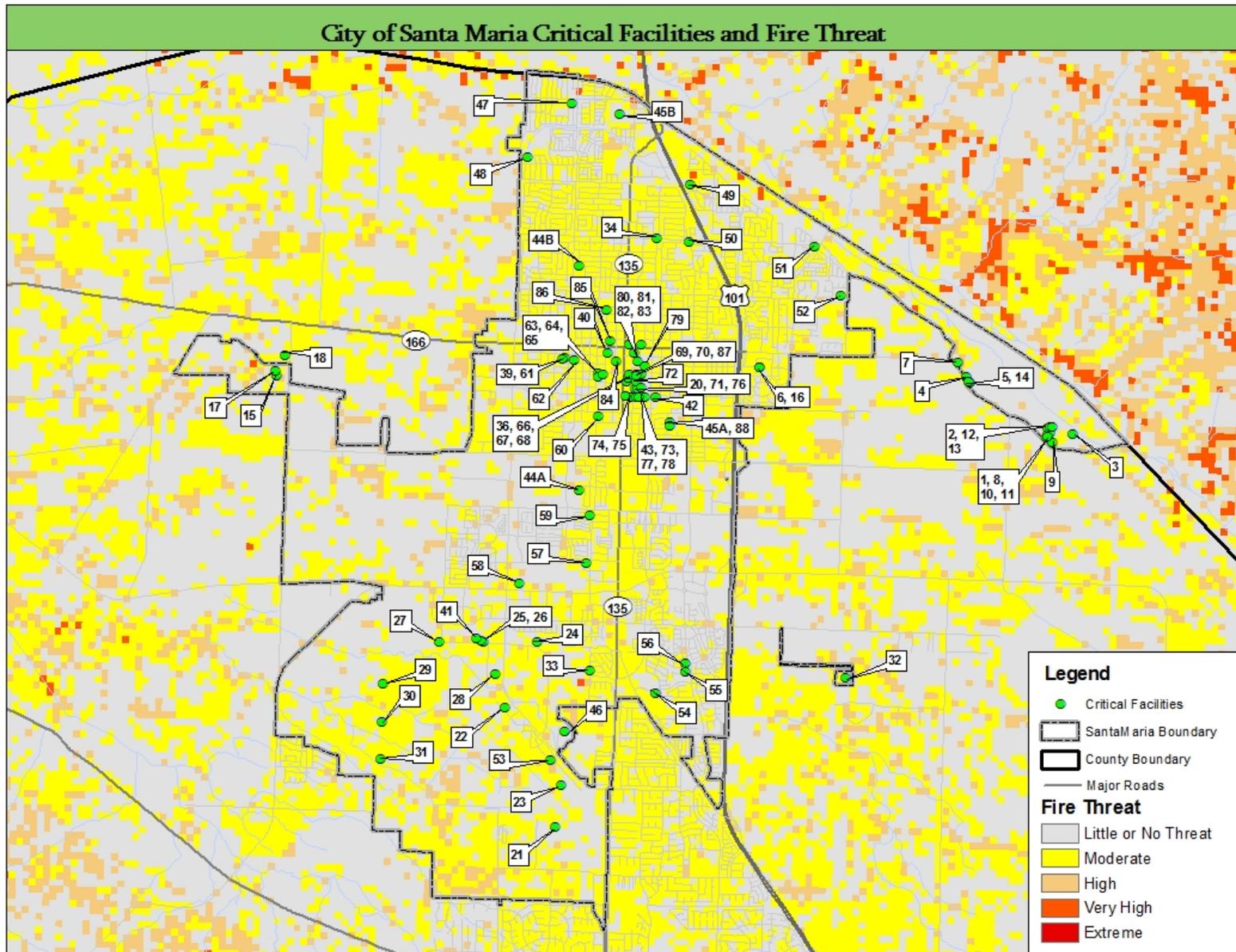


Source: Overlay – Flood Hazard, Santa Barbara County GIS, available at <http://www.countyofsb.org/itd/gis/default.aspx?id=2802>, November 23, 2010

### City of Santa Maria Critical Facilities and Fire Hazard Severity Zones

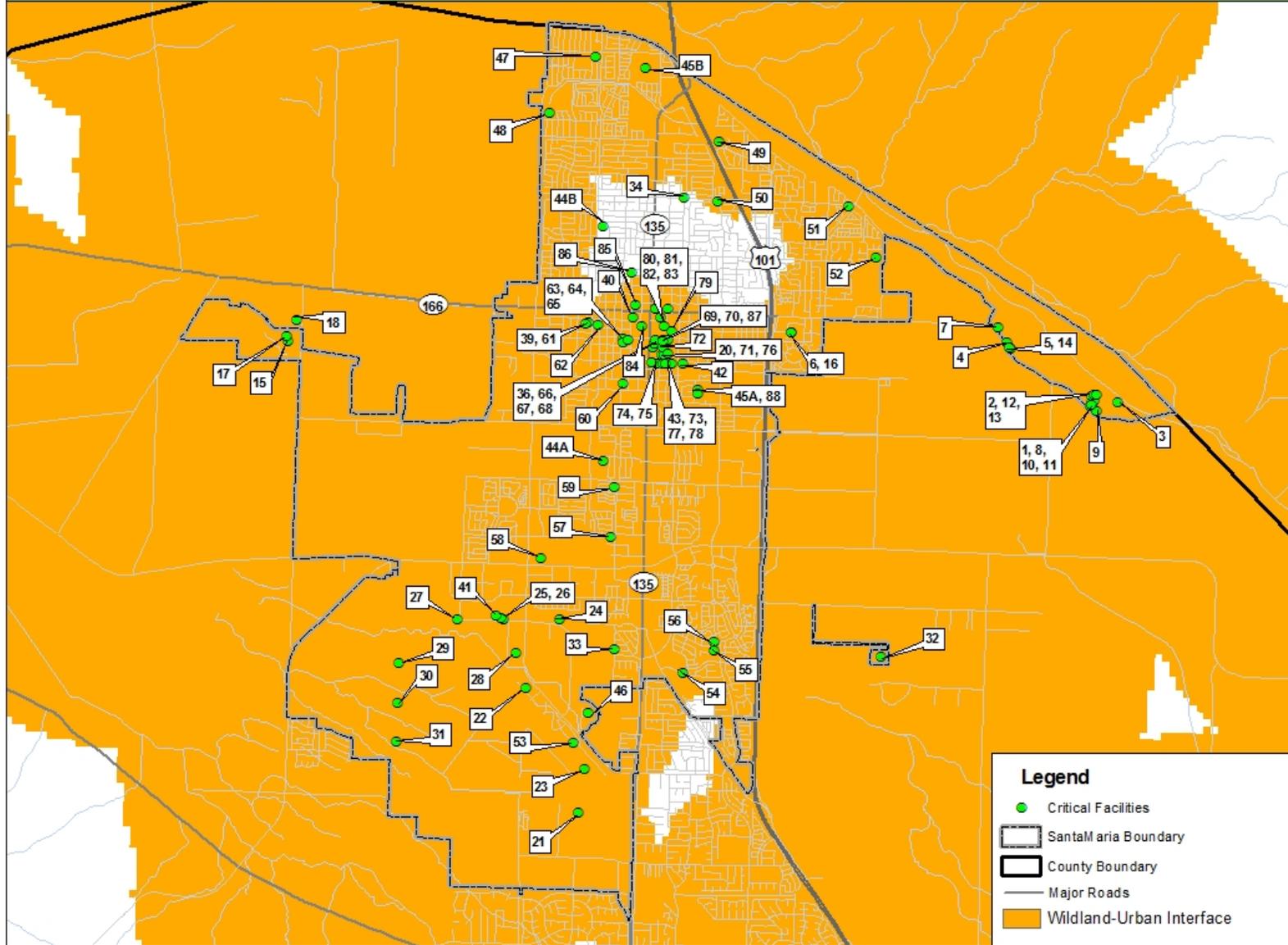


Source: County of Santa Barbara Fire GIS

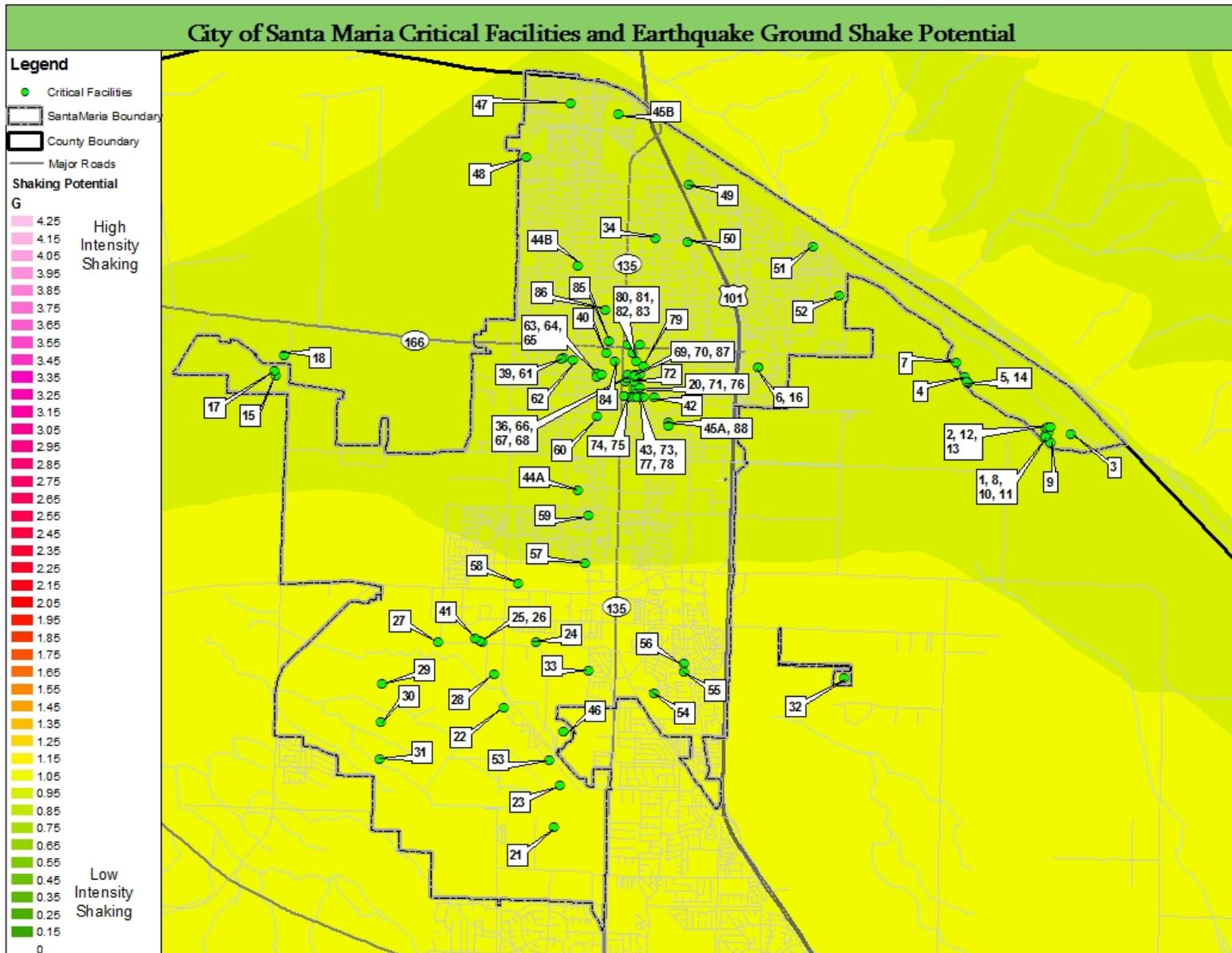


Source: Fire Threat, Fire and Resource Assessment Program (FRAP) available at <http://frap.cdf.ca.gov/data/frapgisdata/select.asp?theme=5>, 2004

## City of Santa Maria Critical Facilities and Wildland Urban Interface

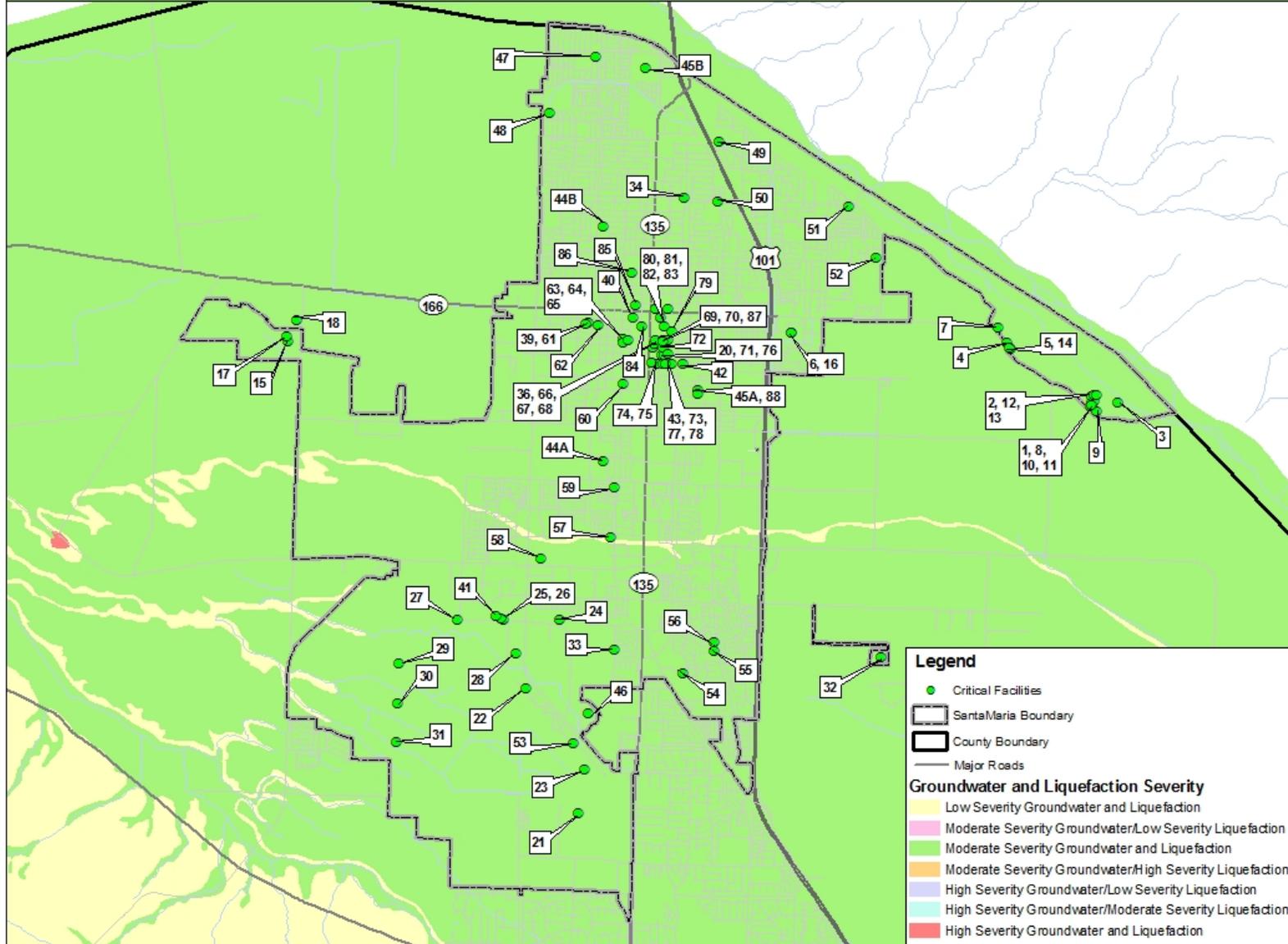


Source: Wildland Urban Interface (WUI) Fire Threat, Fire and Resource Assessment Program (FRAP) available at <http://frap.cdf.ca.gov/data/frapgisdata/select.asp?theme=5>, 2003



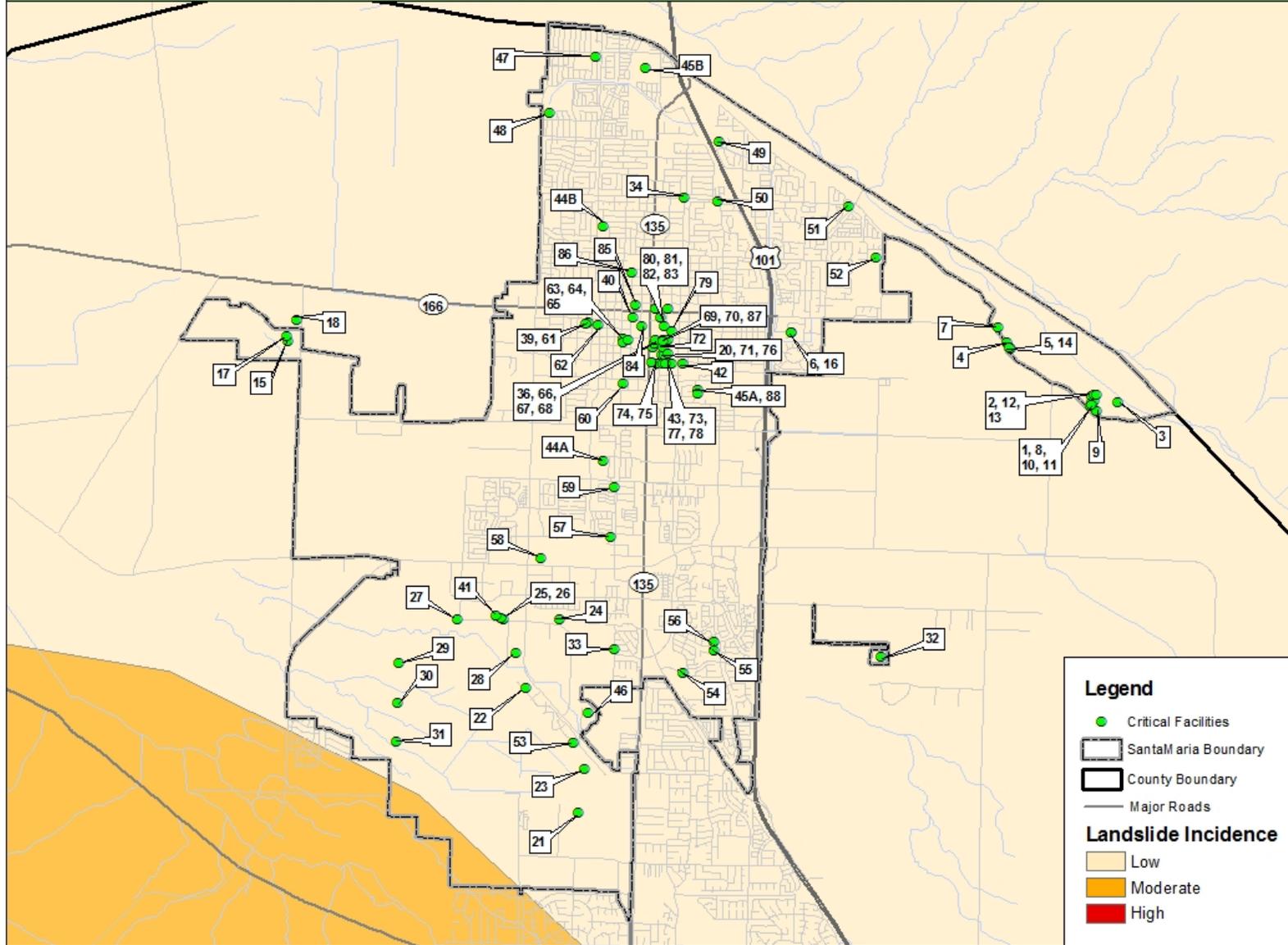
Source: Seismic Shaking Hazard, Obtained from California Geological Survey, for more information: <http://www.conservation.ca.gov/cgs/rghm/psha/Pages/index.aspx>, 2002.

## City of Santa Maria Critical Facilities and Groundwater and Liquefaction Severity



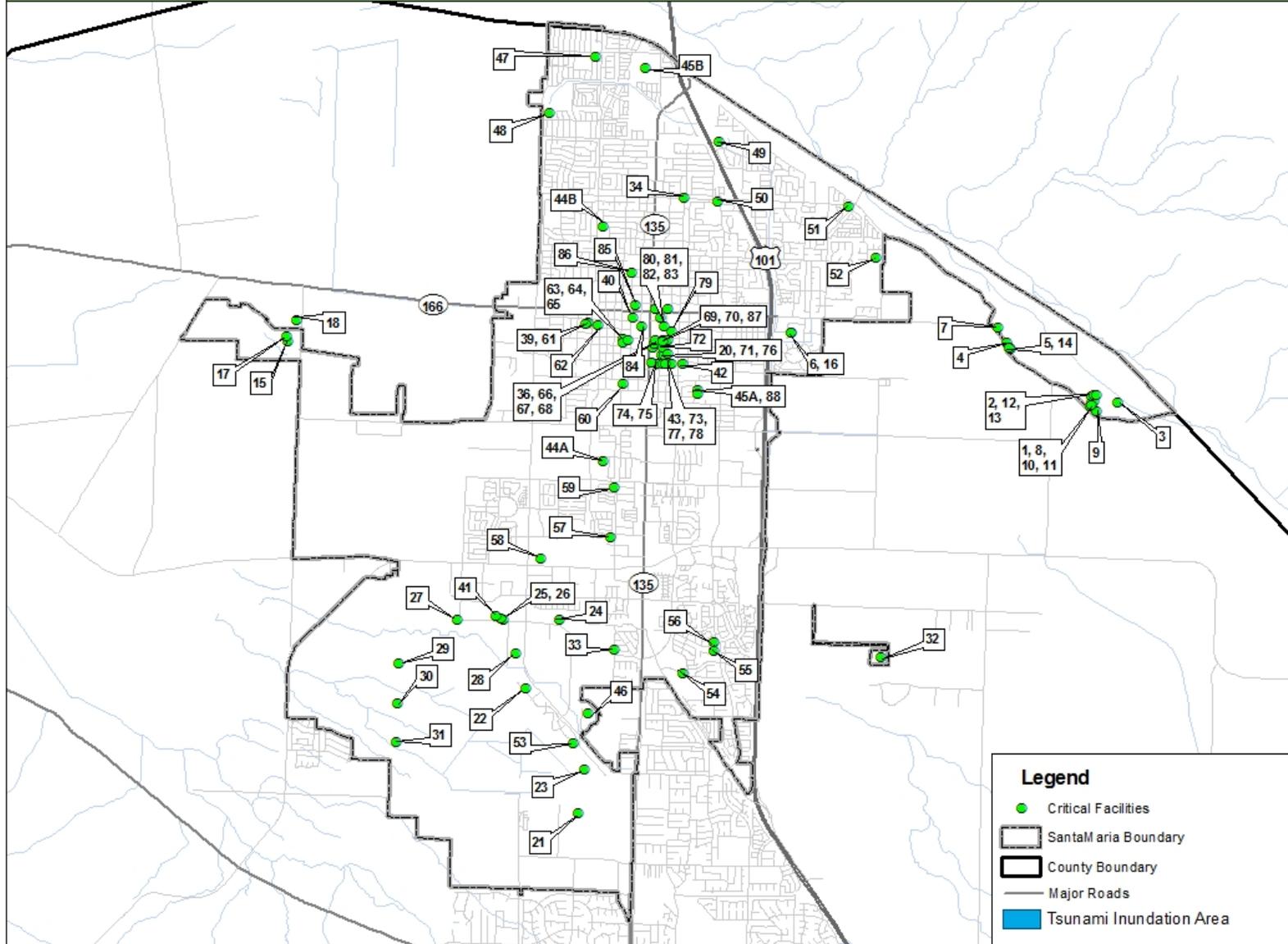
Source: Groundwater Liquefaction, Santa Barbara County GIS, available at <http://www.countyofsb.org/itd/gis/default.aspx?id=2802>, July 15, 2010, originally prepared by Moore and Taber in 1974.

## City of Santa Maria Critical Facilities and Landslide Incidence



Source: Landslide Incidence and Susceptibility in the Conterminous US, National Atlas available at <http://www.nationalatlas.gov/atlasftp.html#lsoverp>, September 2002, Prepared by USGS

## City of Santa Maria Critical Facilities and Tsunami Inundation Areas



Source: Tsunami Runup Limits, Santa Barbara County GIS available at [http://www.countyofsb.org/itd/gis/default.aspx?id=2802&ekmense=e2f22c9a\\_486\\_496\\_btnlink](http://www.countyofsb.org/itd/gis/default.aspx?id=2802&ekmense=e2f22c9a_486_496_btnlink), September 2009.

## **15.6 MITIGATION STRATEGY**

*In preparation of the 2011 update of this plan, the City's Local Planning Team reviewed the Mitigation Priorities from the previous plan and validated them for continued relevance. Additionally, the City made minor revisions to the Countywide goals and objectives to better reflect the needs for the City. This section contains the City's updated and most current mitigation strategy as of July 2011.*

### **15.6.1 Mitigation Priorities**

After review of the hazard identification and risk assessment and capabilities assessment, the LPG conducted a meeting to discuss the results of the hazard identification and risk assessments, review mitigation goals and alternatives based on the priority areas and hazard types, discuss community strengths and weaknesses, and begin developing the mitigation strategy. The following strengths, weaknesses and priorities were identified.

#### **General Observations — Strengths**

- Several policies exist that have hazard mitigation elements or effects such as development and building code regulations, the floodplain regulations set forth in the Municipal Code, and other codes and plans discussed in more detail in this section.
- The General Plan update is an on-going process and will help steer future growth.
- Existing codes will ensure that new development (including tear down and rebuild projects) will be built to modern standards, including the floodplain code, which exceeds minimum standards. With the current trend of replacing existing substandard buildings with new ones, through attrition a safer community will be constructed.
- GIS, communication technology and trained staff are all in place on a limited basis and, over time will strengthen the City's hazard mitigation program.
- As the City's GIS Program continues to expand, the City will improve the mapping of floodplains and other hazard areas.

#### **General Observations — Weaknesses**

- Due to the relatively flat terrain and the rapid development of the valley, there is a potential for flood control and drainage infrastructure to lag behind construction, increasing the potential for localized urban flooding.
- The City's response to disasters is in a state of change. Over the past several years, a significant number of people have been employed or promoted, into positions that are responsible for fulfilling key positions in the City's Emergency Operations Center (EOC). These employees need to be trained to a level that will allow them to function effectively in their respective EOC assignments.
- Record preservation policies among various departments and divisions is not well coordinated or centralized. A City-wide record preservation policy needs to be developed and implemented to ensure that in the event of a disaster, vital records are adequately protected.
- Training for all City employees in their specific roles during a disaster needs to be improved. Managers and Supervisors need advanced training in SEMS principles to allow them to be more effective during a disaster.

- The threat of earthquake is ever-present in Santa Maria. While a significant portion of the community is of "Modern" construction, the potential for significant damage to structures and infrastructure is still quite high. The City is located in Seismic Zone 4, which is the highest zone rating.

**General Observations — Priorities**

During the presentation of findings for the hazard identification and risk assessment and capabilities assessment, the LPG provided preliminary input and ideas for mitigation strategies. The following priorities were identified.

- Top priorities for Santa Maria were public safety, public education, and reducing the potential economic impacts of disasters.
- Alternatives should consider the impacts on the community as a whole, to the extent possible.
- Alternatives must not conflict with other local programs.
- Experiences from past disasters should be built upon.
- Outreach and training should be a component.

The goals and objectives were developed by considering the risk assessment findings, localized hazard identification and loss/exposure estimates, and an analysis of the jurisdiction’s current capabilities assessment. These preliminary goals, objectives and actions were developed to represent a vision of long-term hazard reduction or enhancement of capabilities. To help in further development of these goals and objectives, the LPG compiled and reviewed current jurisdictional sources including the City’s planning documents, codes, and ordinances.

**Goals and Objectives**

The City of Santa Maria modified the goals and objectives as determined by the County wide Mitigation Advisory Committee to meet the specific needs of the City. These goals and objectives represent a vision of long-term hazard reduction or enhancement of capabilities.

<b>Goal 1: Promote disaster-resistant future development.</b>
<i>Objective 1.A: Facilitate the development or updating of the City General Plan elements, and zoning ordinances, to limit (or ensure safe) development in hazard areas.</i>
<i>Objective 1.B: Facilitate the adoption of building codes and development regulations that protect existing assets and require disaster resistant design for new development in hazard areas.</i>
<i>Objective 1.C: Facilitate consistent enforcement of the zoning ordinances, and building and fire codes</i>
<i>Objective 1.D: Address identified data limitations regarding the lack of information about new development and build-out potential in high hazard areas.</i>
<i>Objective 1.E: Educate the professional community on design and construction techniques that will minimize damage from the identified hazards</i>

Notes: This goal focuses on the programmatic/policy approaches to reducing risk to future new development. Building codes are updated on a regular basis in California. The City agreed the objectives for this goal are ongoing to ensure that the best and most recent building and fire codes are adopted. New building and fire codes were adopted by the City Council in January 2011.
<b>Goal 2: Build and support capacity and commitment for existing assets, including people, critical facilities/infrastructure, and public facilities, to become less vulnerable to hazards.</b>
<i>Objective 2.A: Increase awareness and knowledge of hazard mitigation principles and practice among City officials.</i>
<i>Objective 2.B: Address data limitations identified in Hazard Profiling and Risk Assessment</i>
<i>Objective 2.C: Decrease the vulnerability of public infrastructure including facilities, roadways, and utilities.</i>
<i>Objective 2.D: Protect existing structures with the highest relative vulnerability to the effects of identified hazards through structural mitigation projects, as funding becomes available.</i>
Notes: This goal focuses on the programmatic and structural approaches to reducing risk to existing development.
<b>Goal 3: Enhance hazard mitigation coordination and communication.</b>
<i>Objective 3.A: Educate the public to increase awareness of hazards, potential impact, and opportunities for mitigation actions.</i>
<i>Objective 3.B: Monitor and publicize the effectiveness of mitigation actions implemented .</i>
<i>Objective 3.C: Participate in initiatives that have mutual hazard mitigation benefits for local jurisdictions..</i>
<i>Objective 3.D: Support a coordinated permitting activities process and consistent enforcement.</i>
Note: This goal focuses on communication and coordination required for successful mitigation of risk.

### 15.6.2 Mitigation Progress

The City’s Local Planning Team reviewed the mitigation actions listed in the 2004 plan to determine the status of each action. The following table includes only the actions that have been completed or were under way as of June 2011.

Ultimately, all of these projects will be completed and are no longer necessary for consideration by the LPG regarding implementation approaches. Mitigation actions identified for future implementation are presented in the following section.

**Table 15-8 Completed and In-Progress Mitigation Actions**

<b>2004 Plan Action #</b>	<b>Mitigation Action Description</b>	<b>Status</b>	<b>Completion Date</b>	<b>Comments</b>
GEN 2	Develop Hazard and Damage Data tracking system linked to GIS	Completed	2008	Dispatch system tracks incidents and locations
GEN 6	Develop shelter list	Completed	2008	FEMA/American Red Cross nationwide shelter database. Includes Santa Maria.
FLD 1	Update and integrate FEMA FIRM maps into City GIS	Completed	2008	
FLD 3	Develop early warning system	Completed	2008	Blackboard Connect CTY community notification system contract
EQ Narrative	Unreinforced Masonry Structures	Completed	2008	Small number of facilities. Some retrofit, some granted waiver by the City. Structures with waiver are commercial or industrial, no residential. Some may have historic potential. No hazard signage on structures with waiver.
EQ Narrative	Seismic valves on water reservoirs	Completed	2010	Seismic valves installed
EQ Narrative	Generator power for critical water/sewer systems, wells, etc.	Completed	2009	Systems have emergency power
Flooding/Dam Failure	Dam response plan	Completed	2008	Bureau of Reclamation multiagency response plan exercise in 2008
General Narrative	Concern re: flood control changes due to rapid development	Completed	2005	City incorporates water runoff mitigations in all development. No known issues except for annexed properties listed above.
General Narrative	Earthquake hazard and impact on built infrastructure	Completed	2010	City adopted State Building & Fire code 2010
GEN 3	Critical Facility Audit	In Progress		
GEN 4	Critical Facility Retrofit and Mitigation	In Progress		
GEN 5	Provide CERT training to population	In Progress		CERT offered through partnership with Allan Hancock College, expanding population served
GEN 7	Provide training to City employees with EOC responsibilities	In Progress		Training officer no longer staffed. Training is out of date. Tabletop exercise to be scheduled
FLD 2	Evaluate effectiveness of Floodplain Management Ordinance	In Progress		Reviewed annually after seasonal rain events
HAZ 1	Develop site specific Haz-Mat response plans	In Progress		CUPA sites on City GIS. RMP/RMPP not linked.
Flooding/Levee Failure	Install new Levee system along critical section of the Santa Maria River	In Progress		Work being completed under federal grant/Army Corps. Work in progress.
Flooding/Levee Failure	Marian Hospital in flood zone, 3' depth	In Progress		Marian Hospital is building new facility to meet seismic requirements for hospital. Unknown flood mitigation.
General Narrative	More direct language re: Mitigation and Hazard Reduction in planning documents	In Progress		City adopted State Building & Fire code 2010

<b>Table 15-8 Completed and In-Progress Mitigation Actions</b>				
<b>2004 Plan Action #</b>	<b>Mitigation Action Description</b>	<b>Status</b>	<b>Completion Date</b>	<b>Comments</b>
General Narrative	Provide training to all City staff re: emergency response roles and record progress.	In Progress		Training officer no longer staffed. Training out of date. No central tracking system for training/certifications.
N/A	New Police Department	In Progress		City preparing strategy for retrofits, for potential 2012-13 move-in to new facility
N/A	Information Technology Upgrades/Continuity of Operations	In Progress		Significant financial challenges. CAD/LRMS project being addressed in 2011-12. Narrowbanding being implemented.

The following table presents the mitigation action identified in the 2004 plan that has not been completed and is being removed from consideration. The rationale is explained the comments column.

<b>Table 15-9 Deleted Mitigation Actions</b>				
<b>2004 Plan Action #</b>	<b>Mitigation Action Description</b>	<b>Status</b>	<b>Completion Date</b>	<b>Comments</b>
GEN 1	Create Formal Hazard Mitigation Committee (HMPC)	Deleted	2005	Proposal rejected by management

### 15.6.3 Mitigation Approach

The City of Santa Maria followed the same prioritization process of the Countywide Mitigation Advisory Committee in considering the current mitigation actions. The City used the STAPLE/E Criteria (Social, Technical, Administrative, Political, Legal, Economic, and Environmental) to evaluate the mitigation actions identified in the 2004 plan which have not been completed or implemented (noted as deferred). The social, technical, administrative, political, legal, economic, and environmental aspects of each project were ranked using the following scale.

- 0 = Poor (negative impacts)
- 1 = Fair (neutral or no impacts)
- 2 = Good (positive impacts)
- 3 = Excellent (very favorable impacts)

This process was used to help ensure that the most equitable and feasible actions would be undertaken based on available resources. Table 15-10 presents the STAPLE/E criteria.

**Table 15-10 — STAPLE/ E REVIEW AND SELECTION CRITERIA FOR ALTERNATIVES**

SOCIAL
<ul style="list-style-type: none"> <li>• IS THE PROPOSED ACTION SOCIALLY ACCEPTABLE TO THE COMMUNITY?</li> <li>• ARE THERE EQUITY ISSUES INVOLVED THAT WOULD MEAN THAT ONE SEGMENT OF THE COMMUNITY ARE TREATED UNFAIRLY?</li> <li>• WILL THE ACTION CAUSE SOCIAL DISRUPTION?</li> </ul>
TECHNICAL
<ul style="list-style-type: none"> <li>• WILL THE PROPOSED ACTION WORK?</li> <li>• WILL IT CREATE MORE PROBLEMS THAN IT SOLVES?</li> <li>• DOES IT SOLVE A PROBLEM OR ONLY A SYMPTOM?</li> <li>• IS IT THE MOST USEFUL ACTION IN LIGHT OF OTHER COMMUNITY GOALS?</li> </ul>
ADMINISTRATIVE
<ul style="list-style-type: none"> <li>• CAN THE COMMUNITY IMPLEMENT THE ACTION?</li> <li>• IS THERE SOMEONE TO COORDINATE AND LEAD THE EFFORT?</li> <li>• IS THERE SUFFICIENT FUNDING, STAFF, AND TECHNICAL SUPPORT AVAILABLE?</li> <li>• ARE THERE ONGOING ADMINISTRATIVE REQUIREMENTS THAT NEED TO BE MET?</li> </ul>
POLITICAL
<ul style="list-style-type: none"> <li>• IS THE ACTION POLITICALLY ACCEPTABLE?</li> <li>• IS THERE PUBLIC SUPPORT BOTH TO IMPLEMENT AND TO MAINTAIN THE PROJECT?</li> </ul>
LEGAL
<ul style="list-style-type: none"> <li>• IS THE COMMUNITY AUTHORIZED TO IMPLEMENT THE PROPOSED ACTION? IS THERE A CLEAR LEGAL BASIS OR PRECEDENT FOR THIS ACTIVITY?</li> <li>• ARE THERE LEGAL SIDE EFFECTS? COULD THE ACTIVITY BE CONSTRUED AS A TAKING?</li> <li>• IS THE PROPOSED ACTION ALLOWED BY THE GENERAL PLAN, OR MUST THE GENERAL PLAN BE AMENDED TO ALLOW THE PROPOSED ACTION?</li> <li>• WILL THE COMMUNITY BE LIABLE FOR ACTION OR LACK OF ACTION?</li> <li>• WILL THE ACTIVITY BE CHALLENGED?</li> </ul>

## Table 15-10 — STAPLE/ E REVIEW AND SELECTION CRITERIA FOR ALTERNATIVES

### ECONOMIC

- WHAT ARE THE COSTS AND BENEFITS OF THIS ACTION?
- DO THE BENEFITS EXCEED THE COSTS?
- ARE INITIAL, MAINTENANCE, AND ADMINISTRATIVE COSTS TAKEN INTO ACCOUNT?
- HAS FUNDING BEEN SECURED FOR THE PROPOSED ACTION? IF NOT, WHAT ARE THE POTENTIAL SOURCES (PUBLIC, NON-PROFIT, AND PRIVATE)?
- HOW WILL THIS ACTION AFFECT THE FISCAL CAPABILITY OF THE COMMUNITY?
- WHAT BURDEN WILL THIS ACTION PLACE ON THE TAX BASE OR LOCAL ECONOMY?
- WHAT ARE THE BUDGET AND REVENUE EFFECTS OF THIS ACTIVITY?
- DOES THE ACTION CONTRIBUTE TO OTHER COMMUNITY GOALS, SUCH AS CAPITAL IMPROVEMENTS OR ECONOMIC DEVELOPMENT?
- WHAT BENEFITS WILL THE ACTION PROVIDE?

### ENVIRONMENTAL

- HOW WILL THE ACTION AFFECT THE ENVIRONMENT?
- WILL THE ACTION NEED ENVIRONMENTAL REGULATORY APPROVALS?
- WILL IT MEET LOCAL AND STATE REGULATORY REQUIREMENTS?
- ARE ENDANGERED OR THREATENED SPECIES LIKELY TO BE AFFECTED?

The following table presents the prioritized actions to be considered and implemented during the life of this plan update (as of July 2011). The actions which were deferred from the 2004 plan have been given a new action number in the format of 2011 - # to allow all of the current actions to be numbered in order of their priority score. As actions are added in future updates they may be numbered in similar format to allow for tracking which year each action was added to the list. For reference purposes the 2004 plan action number is noted in implementation plan where applicable. These actions and their status will be tracked and updated as appropriate by the City Fire Department in an excel spreadsheet.

**Table 15-11 Mitigation Actions for Future Implementation**

<b>Action #</b>	<b>Mitigation Action Description</b>	<b>Status</b>	<b>Comments</b>	<b>Priority</b>	<b>S</b>	<b>T</b>	<b>A</b>	<b>P</b>	<b>L</b>	<b>E</b>	<b>E</b>
2011-1	Identify and construct central vital record storage	Deferred	Insufficient funding	14	3	2	1	1	3	1	3
2011-2	Country Club Estates storm/aq water runoff	Deferred	Insufficient funding	7	1	1	1	1	1	1	1
2011-3	Hancock Park Subdivision inadequate piping for storm/ag water runoff	Deferred	Insufficient funding	7	1	1	1	1	1	1	1

In addition to the actions noted in Table 15-12, The City of Santa Maria will participate to the extent it can, with the County to implement #2011-4 Bradley Channel as shown in Section 7.4 of the County plan.

The City of Santa Maria will participate to the extent it can, with the County to partner for implementation of #2011-11, a flood warning system, as shown in Section 7.4 of the County plan. The City has its own version of a Reverse 911 and will discuss how it can partner with the County system.

The City of Santa Maria will continue to participate with the County to implement 3,700 feet of repairs to the Santa Maria River Levee; this is a continuation of #2004 FLD-15 as shown on Table 7-2 of the County plan.

## 15.6.4 Implementation Plan

<b>Mitigation Action # 2011 – 1</b>		Deferred GEN-8 from 2004
<p><b>Project Description:</b> Identify location and construct a centralized Vital Records Storage Facility.</p> <ul style="list-style-type: none"> <li>• Identify potential location(s) for the facility.</li> <li>• Identify the necessary square footage needed to house the City's vital records.</li> <li>• Identify costs to construct the facility.</li> <li>• Identify on-going costs to maintain/operate the facility.</li> <li>• Develop construction plans and timetable.</li> <li>• Construct facility.</li> </ul>		
<b>Applicable Hazards</b>		
<p><b><u>Significant</u></b></p> <p><input type="checkbox"/> Flooding (including coastal surge)</p> <p><input type="checkbox"/> Wildfire</p> <p><input type="checkbox"/> Agriculture (pests and disease)</p> <p><input type="checkbox"/> Earthquake</p>	<p><b><u>Moderate</u></b></p> <p><input type="checkbox"/> Landslide / Coastal Erosion</p>	<p><b><u>Limited</u></b></p> <p><input type="checkbox"/> Dam Failure</p> <p><input type="checkbox"/> Tsunami</p>
<p><b>Existing and Potential Resources:</b> General Fund, PDM funds, Homeland Security Grants, and other Federal and State disaster preparedness funds.</p>		
<p><b>Responsible Department:</b> Department of Public Works Engineering Division, City Clerk, and Fire Department</p>		
<p><b>Target Completion Date:</b> To be determined.</p>		
<p><b>Additional Comments / Status Report:</b></p> <p>This would be a beneficial activity. The ability to place all of the City's vital records in a specially designed and centralized facility will preserve the City's ability to continue operating in the event of a disaster, and bring all of the City's vital records to one central location.</p>		

**Project Description:** Country Club Estates storm/ag water runoff

**Applicable Hazards**

**Significant**

- Flooding (including coastal surge)
- Wildfire
- Agriculture (pests and disease)
- Earthquake

**Moderate**

- Landslide / Coastal Erosion

**Limited**

- Dam Failure
- Tsunami

**Existing and Potential Resources:** Homeland Security grants, and other Federal and State disaster preparedness funds.

**Responsible Department:** Department of Public Works Engineering Division, Utilities Department stormwater division.

**Target Completion Date:** To be determined.

**Additional Comments / Status Report:** This project would provide additional capacity to the conveyance systems to relieve storm water detained within the flooded roadway areas.

**Project Description:** Hancock Park Subdivision inadequate piping for storm/ag water runoff

**Applicable Hazards**

**Significant**

- Flooding (including coastal surge)
- Wildfire
- Agriculture (pests and disease)
- Earthquake

**Moderate**

- Landslide / Coastal Erosion

**Limited**

- Dam Failure
- Tsunami

**Existing and Potential Resources:** Homeland Security grants, and other Federal and State disaster preparedness funds.

**Responsible Department:** Department of Public Works Engineering Division, Utilities Department stormwater division.

**Target Completion Date:** To be determined.

**Additional Comments / Status Report:** This project would provide additional capacity to the conveyance systems to relieve storm water detained within the flooded roadway areas.

## 15.7 PLAN MAINTENANCE

*Since the last Hazard Mitigation Plan written for the County and participating jurisdictions in 2004, there has not been an official monitoring or maintenance program set in place. Even so, the City was very successful in implementing many mitigation actions. Numerous mitigation actions set forth in the 2004 plan were in progress or completed by the time of this update. This section contains the City's revised approach to monitoring and evaluating this updated plan.*

The City Fire Department will be responsible for ensuring that this annex is monitored on an on-going basis. Monitoring will occur in part through continued participation in the countywide Mitigation Advisory Committee and attendance of the annual meeting organized by the County Office of Emergency Management to discuss items to be updated/added in future revisions of this plan.

The implementation of mitigation actions will be tracked using an excel document which includes Tables 15-8 and Tables 15-11. The City Fire Department will regularly monitor the actions that are "in progress" and denote them as "completed" when appropriate. Additionally, the City Fire Department will continue exploring opportunities to implement the "deferred" projects based on the implementation plans presented in Section 15.6.4.

Major disasters affecting the City of Santa Maria's community, legal changes, notices from Santa Barbara County (lead agency for the County-wide Plan), and other significant events may trigger revisions to this plan or a convening of the Local Planning Team. The City of Santa Maria's Local Planning Team, in collaboration with Santa Barbara County, will determine how often and when the plan should be updated. In order to remain eligible for mitigation grant funding from FEMA, the City is committed to revising the plan at a minimum of every five years.

The City will contact the County four years after this plan is approved to ensure that the County plans to undertake the plan update process. The jurisdictions within Santa Barbara County should continue to work together on updating this 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 City will provide the opportunity for the public to comment on the updates. A public notice will be published prior to the meeting to announce the comment period and meeting logistics. Moreover, the City will engage stakeholders in community emergency planning.

### 15.7.1 Point of Contact

Comments or suggestions regarding this plan may be submitted at any time to the Fire Chief, at (805) 925-951 ext. 255.

Fire Chief  
City of Santa Maria  
314 W. Cook Street  
Santa Maria, CA 93458  
[www.ci.santa-maria.ca.us](http://www.ci.santa-maria.ca.us)

## **15.8 CITY OF SANTA MARIA APPENDIX**

### **15.8.1 Santa Maria Attachment 1: Meeting Documentation**

This attachment includes documentation of the meetings conducted within Santa Maria's Local Planning Group separately from the County Mitigation Advisory Committee.

**Santa Barbara County Operational Area  
2011 Hazard Mitigation Plan Update  
Meeting Log**

**Agenda & Notes**

**City of Santa Maria**

**Date: 1-Dec-2010**

**Time: 2:30 p.m.**

**Attendees:**

<b>Name</b>	<b>Dept.</b>		<b>Name</b>	<b>Dept.</b>	
Rene M. Visé	Administrative Services		John Corbett	Library	
Michelle Heath	Administrative Services		David Whitehead	Public Works	
Teri Maa	Administrative Services		Jim Davis	Recreation and Parks	
Phil Sinco	City Attorney		Roy Dugger	Fire Department	
Mark Van De Kamp	City Manager's Office		Ron Vilarino	Utilities	
Brian Smith	Community Development		Richard Dupuis	Public Works	
			Shad Springer	Public Works	

**Discussion Topics:**

- 1. Hazard Identification**
- 2. Critical Facilities**
  - a. City Owned or controlled**
  - b. Business, response, recovery critical**
  - c. "Historic" properties**
  - d. Value (insured amnt.) & GIS**
  - e. Evaluation and plan for each**
- 3. Documents**
  - a. "Disaster" damage sustained recent history documentation**
  - b. General Plan, Zoning/Subdivision Ordinances, Building Codes, Floodplain Management Ordinance, Storm water management Program, Multihazard Response Plan, Capital Improvement Plan, Redevelopment Plan, "X" Plan**
- 4. Mitigation Action Status (from 2005 plan)**

- a. **Earthquake**
    - i. **Status of Unreinforced masonry structures**
    - ii. **Seismic valves on water reservoirs**
    - iii. **Generator power for critical water/sewer systems, wells, etc.**
  - b. **Urban Flooding**
    - i. **Country Club Estates storm/ag water runoff infrastructure**
    - ii. **Hancock Park Subdivision inadequate piping for storm/ag water runoff**
    - iii. **Any additional areas identified**
  - c. **Santa Maria Levee Failure**
    - i. **Status of levee upfit/maintenance**
    - ii. **Marian Hospital, is new construction above flood grade (2005 estimated at 3')**
  - d. **Twitchell Dam Failure**
    - i. **No actions in plan. Bureau of Reclamation Exercise in 2008?**
    - ii. **Caretaker status**
  - e. **Hazardous Materials Release**
    - i. **Identify point sources within and near the City**
    - ii. **Identify specific evacuation plan for each source**
    - iii. **Identify protective action plan/response plan for each source**
  - f. **GIS, Computer, Communication Technology**
    - i. **FIRM layer?**
    - ii. **“Reverse 9-1-1 notification system...Connect CTY**
  - g. **Financial Resources**
    - i. **Mitigation and Hazard reduction referenced but not “Direct language” in the documents.**
    - ii. **Responsibility of Mitigation and hazard reduction “shared” making it difficult to identify and hold accountable a particular dept. Recommendation in 2005 plan for a formal Mitigation Advisory Committee.**
  - h. **General Observations-Weaknesses**
    - i. **Rapid development on flat terrain increases risk of urban flood control measures if not implemented directly...may lag behind development.**
    - ii. **Training of non-traditional responders for EOC, documenting training and experience. Training for all City employees in specific roles in an emergency with documentation.**
    - iii. **Citywide vital record preservation policy needed and implemented**
    - iv. **Earthquake risk high, need for vigilance in building code, enforcement and secondary impacts.**
  - i. **Mitigation Goals, Objectives, Actions**
-

**Meeting Outcomes:**

---

**Departments will obtain information to include in the plan and to assess status of previous plan.**

**Hazard assessment not relevant to the City.**

**A great deal of information is on the City GIS. Need to get info from dept.'s to verify and ensure is current.**

**Meeting adjourned at 3:20 p.m.**

## 15.8.2 Santa Maria Attachment 2: Outreach Materials

This attachment includes website postings, news releases, and newspaper articles demonstrating the City's efforts to engage public and interested stakeholders in the mitigation planning process.



**NEWS RELEASE**  
**March 25, 2011**

### **Public Survey to Make City and County Safer**

The public is encouraged to participate in an online survey as part of the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan Update. The survey is available at the County Office of Emergency Services website at [www.countyofsb.org/ceo/oes](http://www.countyofsb.org/ceo/oes), and on the City of Santa Maria's webpage at [www.ci.santa-maria.ca.us](http://www.ci.santa-maria.ca.us)

For those residents who lack a computer, they may use the free public computer lab at the Santa Maria Public Library, 421 South McClelland Street.

The Santa Barbara County Multi-Jurisdiction Hazard Mitigation Plan is a countywide plan that identifies risks and ways to minimize damage from natural and manmade disasters. The plan is a comprehensive resource document that serves to enhance public awareness, create a decision tool for policy makers, promote compliance with State and Federal program requirements, enhance local policies for risk reduction capabilities, and provide coordination between the cities and the County.

The City of Santa Maria is participating in the update. The County Office of Emergency Services is coordinating the plan update through collaboration with the Mitigation Advisory Committee.

Survey questions cover these general areas:

1. How would you rate the hazards facing this area?
2. What actions can we take to reduce future damage?
3. How can the County better communicate risk to the public?
4. Is there anything else you would like to see in the plan?

News media questions may be directed to Richard Abrams, Emergency Manager at the County's Office of Emergency Services, at (805) 560-1081.

<b>Department:</b>	<b>City Manager's Office</b>
<b>Contact Person:</b>	<b>Mark van de Kamp, Management Analyst II</b>
<b>Telephone Number:</b>	<b>(805) 925-0951 ext. 372</b>
<b>Email Address:</b>	<b><a href="mailto:mvandekamp@ci.santa-maria.ca.us">mvandekamp@ci.santa-maria.ca.us</a></b>

110 E. Cook Street, Santa Maria, CA, 93454-5190 tel: (805) 925-0951 fax: (805) 349-0657

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## FREQUENTLY ASKED QUESTIONS

**DIRECTORIES**

City Departments & Facilities  
 City Telephone Directory  
 Community Services Directory  
 City Organizational Charts

**OPPORTUNITIES**

Employment Opportunities  
 Bids & Proposals

**CITY DOCUMENTS**

City Budget  
 Environmental Impact Reports  
 Public Notices  
 City Charter  
 Municipal Code (City Ordinances)  
 Mission Statement  
 Ethics Policy  
 City Hall Photo

**CITY MAPS**

City of Santa Maria (MapQuest)  
 City Street Map  
 City Street Map (printable)  
 City Parks (map & photos/descriptions)  
 City Landmarks  
 Annual Traffic Count Map  
 Zoning Map

**RESOURCES**

Chamber of Commerce  
 City Closures During 2011  
 Government Links  
 Census 2010 Information  
 Customer Service Feedback Form  
 Santa Maria Community Television  
 City TV Shows

## CITY NEWS & EVENTS

**It's Egging Time Once Again at the Library**

The Library welcomes artist Beth Ostapiuk and the Central Coast Eggers on Saturday, March 26th, from 11:00 a.m. to 4:00 p.m. in Shepard Hall for a Pysanky Egg Dying demonstration. [MORE](#)

**Multi-Jurisdictional Hazard Mitigation Plan Survey**

Participate in the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan Update by completing the survey below to give your feedback on the identification of hazards in our area and your opinions regarding emergency preparation and priorities. Although the plan enables the County and cities to be eligible for various assistance grants, the plan's value really lies in the identification of hazards and helps emergency managers and residents better prepare for disasters. [ENGLISH](#) | [ESPANOL](#)

**Be Ready! Be Connected!**

The City of Santa Maria has the ability to call residents with information regarding a major emergency occurring within the City of Santa Maria. It is called the Community Alert & Notification System. [MORE](#) | [SIGN UP](#)

**Northern Santa Barbara County Special Olympics**

More than 100 athletes will participate in the annual Northern Santa Barbara County Special Olympics Harry Wood Area Games Track & Field competition on April 9th at St. Joseph High School. [MORE](#)

**Spring Eggstravaganza on April 17th**

You are invited to a day of family fun at the 8th Annual Spring Eggstravaganza! [MORE](#)

**2010 Census Counts 99,553 Residents in Santa Maria**

The U.S. Census Bureau on Tuesday, March 8th released data for California, showing the first detailed demographic pictures of the City of Santa Maria and the County of Santa Barbara since the 2000 census. [MORE](#)

**2011 Small Works Award Winners Announced**

The winners of the 2011 Small Works at the Library juried exhibition have been announced; the show continues through April 16th. [MORE](#)

**Families are Invited to the Santa Maria Safari V**

Come explore the museums of Santa Maria, for FREE! Children and their families are invited to the 5th annual Museum Safari, starting at noon on Sunday, April 10. [MORE](#)

**Wanted: Representatives To Serve On Two City Committees**

The City of Santa Maria is seeking representatives to serve on the All-America City Committee and the Landmarks Committee. [MORE](#)



Public Service Announcements  
About Your Property Taxes  
About This Website  
River Levee Information  
Santa Maria Airport  
Stimulus Tracker  
Staff Access Only

**Sign-Up for an Emergency Preparedness Class**

Sign-ups are now being taken for the City's grant-funded emergency preparedness course, "Listos Santa Maria." "Listos" means "Ready" in Spanish. [MORE](#)



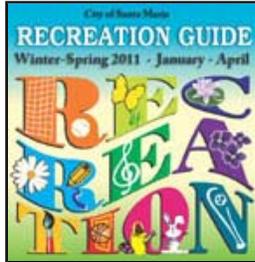
**ARCHIVED NEWS**



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## CITY NEWS & EVENTS

**Preview Opening of Santa Maria Intermodal Transit Center**

The City of Santa Maria is pleased to announce that the new Intermodal Transit Center at 400 East Boone Street will have its preview opening on Wednesday, April 27th. [MORE](#)

**11th Annual Teen Job Fair is May 5th**

The Santa Maria Recreation and Parks Department is hosting the 11th Annual Teen Job Fair for students in grades 7 through 12 - and three workshops will be held before the Job Fair, starting April 26th. [MORE](#)

**New Recreation Guide**

The 2011 Summer Recreation Guide is now available from the City of Santa Maria Recreation and Parks Department. [MORE](#)

**MLB Pitch, Hit and Run Skills Competition**

The Hagerman Sports Complex will host the annual MLB Pitch, Hit and Run Skills Competition on May 4th. [MORE](#)

**Friends of the Santa Maria Public Library to Host Big Book Sale**

A big book sale — with a big difference — will be sponsored by the Friends of the Santa Maria Public Library on May 6th and 7th from 10:00 a.m. to 5:00 p.m. in Shepard Hall. [MORE](#)

**Hershey's Track and Field Games**

The Hershey's Track and Field Games will be held May 21st, so be sure to sign up by May 18th. [MORE](#)

**Free Guided Nature Walks at Los Flores Ranch Park**

Los Flores Ranch Park docent-led nature walks are now on the second Saturday of every month from April through August. The walks start promptly at 10:00 a.m. and are approximately two hours in length. [MORE](#)

**Public Survey to Make City and County Safer**

The public is encouraged to participate in an online survey as part of the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan Update. The survey will close on April 30th. [MORE](#) | [ENGLISH](#) | [ESPAÑOL](#)

**Be Ready! Be Connected!**

The City of Santa Maria has the ability to call residents with information regarding a major emergency occurring within the City of Santa Maria. It is called the Community Alert & Notification System. [MORE](#) | [SIGN UP](#)

**Wanted: Representatives To Serve On Two City Committees**

The City of Santa Maria is seeking representatives to serve on the All-America City Committee and the Landmarks Committee. [MORE](#)



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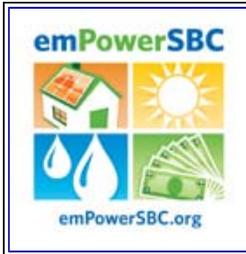
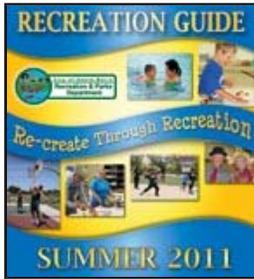
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Monday, Mar 28th, 2011

CHAMBER NEWS //

## Multi-Jurisdictional Hazard Mitigation Plan Survey

 Print This Post

 BOOKMARK    ...

Participate in the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan Update by completing the survey below to give your feedback on the identification of hazards in our area and your opinions regarding emergency preparation and priorities. Although the plan enables the County and cities to be eligible for various assistance grants, the plan's value really lies in the identification of hazards and helps emergency managers and residents better prepare for disasters. [ENGLISH](#) | [ESPANOL](#)

The survey links are posted to the City of Santa Maria homepage at <http://www.ci.santa-maria.ca.us/home.shtml> such that they direct visitors to the County Office of Emergency Service webpage welcome, then the survey.

 Print This Post

 BOOKMARK    ...

## Bartshire, Corinne

---

**From:** Mark Van de Kamp [mvandekamp@ci.santa-maria.ca.us]  
**Sent:** Wednesday, March 30, 2011 8:52 AM  
**To:** Bartshire, Corinne  
**Subject:** Newspaper article about Santa Barbara County Multi-Jurisdiction Hazard Mitigation Plan Survey

Corinne, this article appears in today's (March 30th) Santa Barbara News-Press:

NORA K. WALLACE, NEWS-PRESS STAFF WRITER

March 30, 2011 5:55 AM

Santa Barbara County emergency services officials want the public's help in updating a plan designed to minimize local damage from natural and man-made disasters.

The plan is meant to identify natural hazards countywide, and gives assessments of the county's critical facilities that might be vulnerable to disasters such as earthquakes and floods.

The five-year-old plan is now in need of a revision and the county is asking residents to take a short survey to help out.

Bearing the somewhat ungainly name of the "Santa Barbara County Multi-Jurisdiction Hazard Mitigation Plan," the countywide effort is meant to be a resource document to boost public awareness; create a decision-making tool for policy makers; promote compliance with state and federal programs; enhance local policies involving disaster management; and provide coordination between the county and its cities, according to Richard Abrams, the county's emergency manager.

The plan has to be updated, according to the county, because the Federal Disaster Mitigation Act of 2000 requires all local governments to create a disaster plan in order to qualify for federal mitigation funding.

The county update is being funded by a grant from the Federal Emergency Management Agency, or FEMA. The wide-ranging survey, which contains about two dozen questions, takes only a few minutes to complete. Survey takers are asked questions such as: list the three hazards that are of the greatest concern to your neighborhood or home (dam failure, earthquake, flooding, etc.); what are you doing on your property or within your home to reduce future damage from the hazards (such as seismic retrofit, installing backflow prevention devices, or installing fire sprinklers, etc.); if a severe hazard event occurred today and services were cut off from your home, which items would you have readily available (such as potable water; canned goods; first aid kit, etc.); what are the most important things local government can do to help communities be more prepared for a disaster and what recommendations do you have for the county and cities to improve actions intended to reduce future damage.

Many of the actions designed to lessen the effects of disasters have already been put in place in the previous plan, particularly as a result of -- or in anticipation of -- storm events.

"After the Gap, Tea and Jesusita fires a couple of years ago, the county Flood Control District, in cooperation with city public works departments, performed many clearing projects for debris basins and creeks," Mr.

Abrams explained Tuesday. "Debris guards were constructed, culverts cleared or repaired. Other projects included road repairs or slope stabilization."

One major project, he added, was the seismic retrofitting of the Santa Barbara County Courthouse. There have also been a number of public education projects, such as the training for a community emergency response team offered throughout the county.

Some of the mitigation actions outlined in the plan have been deferred "due to issues beyond our control," Mr. Abrams indicated. Those projects vary from planning issues to public education efforts, he said.

"Deferring these projects may result from budget or staffing considerations, or reprioritized projects and efforts," Mr. Abrams explained. "Some public works mitigation actions are expensive, large-scale projects. Other types of mitigation actions involve community fire plans or technical studies such slope stability projects in other communities."

Since the survey was only released this week, response has been limited, Mr. Abrams said. He is hoping to at least get 1 percent of the county's population, or 4,200 people, to respond. The survey ends April 30.

The comments taken from the survey will be reviewed by the county's Mitigation Advisory Committee and incorporated into the final plan.

Mr. Abrams said a draft plan is expected by June and will be available for public review.

The survey is posted on the county website, and most of the incorporated cities in the region have links on their own home pages, both in English and Spanish. Some cities included links to allow the survey participants to print the document, rather than complete it on-line, while Santa Maria city officials even suggested people without computers could take the survey by using a free public computer at its library.

The survey at the county's Office of Emergency Services web page is at [www.countyofsb.org/ceo/oes](http://www.countyofsb.org/ceo/oes).  
email: [nwallace@newspress.com](mailto:nwallace@newspress.com)

Mark van de Kamp / Management Analyst II / City Manager's Office / City of Santa Maria / 110 E. Cook Street, Rm. 1 / Santa Maria, CA 93454 / (805) 925-0951 ext. 372 / Fax: (805) 349-0657 [mvandekamp@ci.santa-maria.ca.us](mailto:mvandekamp@ci.santa-maria.ca.us) / [www.ci.santa-maria.ca.us](http://www.ci.santa-maria.ca.us)



**NEWS RELEASE**  
**August 26, 2011**

### **Public Input Sought to Draft Hazard Mitigation Plan**

The public is encouraged to review and comment upon the draft document that is the City of Santa Maria's contribution to the Santa Barbara County Local Hazard Mitigation Plan 2011 Update.

The plan, including the Santa Maria annex, identifies the primary natural and manmade risk hazards, such as earthquakes, floods and hazardous materials releases, and presents measures to increase resiliency throughout the City and Santa Barbara County.

The PDF version of the City's 91-page annex may be viewed online at <http://www.cityofsantamariaonline.org/Annex/ReviewDraft.pdf>. The PDF version of the Santa Barbara County Local Hazard Mitigation Plan may be viewed online at <http://www.countyofsb.org/ceo/oes>. For residents who lack a computer, they may use the free public computer lab at the Santa Maria Public Library, 421 S. McClelland Street.

Public comments are encouraged. Please direct any questions or comments to the consultant, Corinne Bartshire, at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com). Comments received prior to Thursday, September 15<sup>th</sup> will be considered for incorporation in the plan prior to its adoption by the City Council. Comments received after that date will be held for consideration in future updates to the plan.

The California Emergency Management Agency and Federal Emergency Management Agency are currently reviewing the City's draft plan to ensure compliance with the Disaster Mitigation Act of 2000, enabling the City to maintain eligibility to receive Federal mitigation grant funding.

Questions may be directed to the City Manager's Office, 925-0951 ext. 372.

<b>Department:</b>	<b>City Manager's Office</b>
<b>Contact Person:</b>	<b>Mark van de Kamp, Management Analyst II</b>
<b>Telephone Number:</b>	<b>(805) 925-0951 ext. 372</b>
<b>E-mail Address:</b>	<b><a href="mailto:mvandekamp@ci.santa-maria.ca.us">mvandekamp@ci.santa-maria.ca.us</a></b>

## Bartshire, Corinne

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**From:** Mark Van de Kamp [mvandekamp@ci.santa-maria.ca.us]  
**Sent:** Friday, August 26, 2011 11:41 AM  
**To:** Bartshire, Corinne  
**Subject:** FW: City of Santa Maria News Release: Public Input Sought to Draft Hazard Mitigation Plan  
**Attachments:** HazardPlan-082611.pdf

Corinne, this e-mail is to confirm that the news release was issued, for your records.  
Thank you.  
Mark

Mark van de Kamp / Management Analyst II / City Manager's Office / City of Santa Maria / 110 E. Cook Street, Rm. 1 / Santa Maria, CA 93454 / (805) 925-0951 ext. 372 / Fax: (805) 349-0657 [mvandekamp@ci.santa-maria.ca.us](mailto:mvandekamp@ci.santa-maria.ca.us) / [www.ci.santa-maria.ca.us](http://www.ci.santa-maria.ca.us)

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**From:** Mark Van de Kamp  
**Sent:** Friday, August 26, 2011 11:37 AM  
**To:** Amy Asman, Santa Maria Sun; Ana Calderon, American General Media radio; Ariel Wesler, KSBY TV; 'Ben Heighes, KUHL & KTME'; 'Ben Heighes, KUHL, KINF'; Bethany Tucker, KSBY producer; Blanca Figueroa, Univision anchor; Brian Bullock, SM Times; Carina Corral, KSBY; Carlos Pacheco, La Ley Radio; Caroline Lowe, KSBY news director; Chris Andriessen, KCOY/KKFX; Colby Frazier, The Daily Sound in SB; Danielle Lerner, KSBY; Dave Bemis, SMT and SYVN; Dave Cross, EDC; Diego Rojas, KLMM Radio; Diego Santiago, Univision anchor; Don Katich, SB News-Press; Emily Slater, SM Times; Gina Potthoff, Santa Maria Times; Janene Scully, Santa Maria Times; Jay Turner, 102.5 FM; 'Jeff K. Williams, Knight Broadcasting (KUHL, KINF)'; Jennifer Grant, El Dorado Broadcasters (radio); Jeremy Thomas, SM Sun; Jimena Martinez, KSBY P.M. Editor; 'John Palminteri, KEYT-TV Reporter'; John Zuchelli, KCOY/KKFX; Julian Ramos, SM Times Reporter; Katherine Worsham, KCOY/KKFX; Katie Marzullo, KKFX; 'KCOY/KKFX TV'; Keith Carls, KKFX Ch. 11; 'KEYT News (ABC Ch. 3 in Santa Barbara)'; 'KSBY TV Channel 6 - News Desk'; 'KTAS Spanish TV (Telemundo, Ch. 33)'; Laura Aguirre, Telemundo 33; Len Wood, Santa Maria Times; Marga Cooley, SM Times; Mark Brown, SM Times; Mark Van de Kamp; Michelle Cole, Santa Barbara News Network; Miguel Sanchez, Univision KPMR-38; Mike DeFina, KEYT-TV; Mike Hodgson, Santa Maria Times; Mike Mesmer, KUHL & KINF; Mike Messmer, KUHL & KINF; Monica Quintero, KSBY-TV; Nick Welsh, SB Independent; Noozhawk, SB-based newspaper; Patti Piburn, KCOY-TV; Patti Rodriguez; Paul Michaels, SM Times; Pepe Lopez, News Director, La Buena; Perla Torres, Univision 38 Reporter; Robert Hatch, SMVCoFC; Rosa Narez; Ryan Miller, Editor Santa Maria Sun; Samantha Yale, Santa Maria Times; 'Santa Maria Sun newsroom'; 'SB News-Press, Nora Wallace'; 'Scott Steepleton, newsroom, News-Press'; Shawn Knight, Knight Broadcasting; Silvana Perez-Borroto, Telemundo; Steve Nellis, PacificCoastBizTimes; Terri Oneschuck, SMV Chamber; Terri Paniagua, SMV Chamber; Thomas Morales, KCOY/KKFX; Tom Bolton, Santa Maria Times; Tom Jones, KCOY/KKFX; Ulises Garibay, Univision; Zach Behrens, KCET TV

**Subject:** City of Santa Maria News Release: Public Input Sought to Draft Hazard Mitigation Plan

## NEWS RELEASE August 26, 2011

### Public Input Sought to Draft Hazard Mitigation Plan

The public is encouraged to review and comment upon the draft document that is the City of Santa Maria's contribution to the Santa Barbara County Local Hazard Mitigation Plan 2011 Update.

The plan, including the Santa Maria annex, identifies the primary natural and manmade risk hazards, such as earthquakes, floods and hazardous materials releases, and presents measures to increase resiliency throughout the City and Santa Barbara County.

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Public comments are encouraged. Please direct any questions or comments to the consultant, Corinne Bartshire, at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com). Comments received prior to Thursday, September 15<sup>th</sup> will be considered for incorporation in the plan prior to its adoption by the City Council. Comments received after that date will be held for consideration in future updates to the plan.

The California Emergency Management Agency and Federal Emergency Management Agency are currently reviewing the City's draft plan to ensure compliance with the Disaster Mitigation Act of 2000, enabling the City to maintain eligibility to receive Federal mitigation grant funding.

Questions may be directed to the City Manager's Office, 925-0951 ext. 372.

**Department:** City Manager's Office  
**Contact Person:** Mark van de Kamp, Management Analyst II  
**Telephone Number:** (805) 925-0951 ext. 372  
**E-mail Address:** [mvandekamp@ci.santa-maria.ca.us](mailto:mvandekamp@ci.santa-maria.ca.us)

<<HazardPlan-082611.pdf>>

[Mark van de Kamp / Management Analyst II / City Manager's Office / City of Santa Maria / 110 E. Cook Street, Rm. 1 / Santa Maria, CA 93454 / \(805\) 925-0951 ext. 372 / Fax: \(805\) 349-0657](#) [mvandekamp@ci.santa-maria.ca.us](mailto:mvandekamp@ci.santa-maria.ca.us) / [www.ci.santa-maria.ca.us](http://www.ci.santa-maria.ca.us)

## Bartshire, Corinne

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**From:** Bartshire, Corinne  
**Sent:** Friday, August 26, 2011 3:54 PM  
**To:** Bartshire, Corinne  
**Cc:** Mark Van de Kamp; Abrams, Richard  
**Subject:** Santa Maria Hazard Mitigation Plan: Review Draft Available for Public Comment

Dear Community Member,

On behalf of the Santa Maria City Manager's Office, I am pleased to invite you to download and review the Public Review Draft of the [City's Annex](#) to the [Santa Barbara County Hazard Mitigation Plan 2011 Update](#). Input from you or your organization will be invaluable to increasing disaster resiliency in our community.

The plan, including the Santa Maria annex, identifies the primary natural and manmade risk hazards, such as earthquakes, floods and hazardous materials releases, and presents measures to increase resiliency throughout the City and Santa Barbara County

The PDF version of the City's 91-page annex may be viewed online at <http://www.cityofsantamariaonline.org/Annex/ReviewDraft.pdf>. The PDF version of the Santa Barbara County Local Hazard Mitigation Plan may be viewed online at <http://www.countyofsb.org/ceo/oes>. For residents who lack a computer, they may use the free public computer lab at the Santa Maria Public Library, 421 S. McClelland Street.

Public comments are encouraged. Please direct any questions or comments regarding this plan to the consultant, Corinne Bartshire, at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com). Comments received prior to Thursday, September 15th will be considered for incorporation in the plan prior to its adoption by the City Council. Comments received after that date will be held for consideration in future updates to the plan.

The California Emergency Management Agency and Federal Emergency Management Agency are currently reviewing the City's draft plan to ensure compliance with the Disaster Mitigation Act of 2000, enabling the City to maintain eligibility to receive Federal mitigation grant funding.

General questions may be directed to the City Manager's Office, 925-0951 ext. 372.

*Please forward this message to fellow residents and community members of Santa Maria. We sincerely appreciate your time and cooperation in helping our community become more resilient.*

***Thank you for your participation!***

Corinne Bartshire, AICP, CFM  
Project Manager  
Dewberry  
1410 Rocky Ridge Road, Suite 305  
Roseville, CA 95661  
[cbartshire@dewberry.com](mailto:cbartshire@dewberry.com)  
916.380.3776  
916.380.3750 (fax)  
[www.dewberry.com](http://www.dewberry.com)

*(distributed to SantaMaria\_Stakeholder\_Distribution\_08262011.xlsx via BCC)*

## Bartshire, Corinne

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**From:** Abrams, Richard [rabrams@countyofsb.org]  
**Sent:** Wednesday, August 31, 2011 10:00 AM  
**To:** Bartshire, Corinne; 'Mark Van de Kamp'  
**Cc:** Abrams, Richard  
**Subject:** Emailing: SM, county looking to head off disasters. tm



## SM, county looking to head off disasters

By Brian Bullock/Staff Writer [bbullock@santamariatimes.com](mailto:bbullock@santamariatimes.com) | Posted: Wednesday, August 31, 2011 12:15 am

An earthquake along the Santa Maria fault, which runs right through the cemetery and Hancock College, could flatten portions of the town.

The Santa Maria River has the potential in a 100-year storm to flood upwards of 17,000 buildings in the northern half of town.

Preparing for those kinds of possibilities is why Santa Barbara County and its eight incorporated cities are updating their Draft Hazard Mitigation Plans.

Santa Maria's portion of the county plan can be viewed at [www.cityofsantamariaonline.org/Annex/ReviewDraft.pdf](http://www.cityofsantamariaonline.org/Annex/ReviewDraft.pdf). The county plan can be found at [www.countyofsb.org/ceo/oes](http://www.countyofsb.org/ceo/oes).

"The plan addresses hazards that have repeatable disaster histories," said county Emergency Manager Richard Abrams. "Typically in Santa Barbara County we get fires, floods and severe weather."

While the city is participating in the federal- and state-mandated update, it also is updating its own emergency plan that identifies potential natural and man-made disasters.

"By identifying potential hazards, it helps emergency managers to be better prepared, and the hazards that have been identified could receive federal funding to help mitigate them," said Mark van de Kamp, a Santa Maria management analyst.

Earthquakes and flooding are the most significant threats to Santa Maria, van de Kamp said.

Major faults running through northern Santa Barbara County include the Santa Maria, Orcutt Frontal, Los Alamos, Baseline, Lions Head, Purisima Hills and Santa Ynez River faults. All are classified by the U.S. Geological Study as active or potentially active and capable of generating ground motion in the valley.

Flooding is the other natural hazard most often mentioned as a threat to Santa Maria. More than 6 miles of the 50-year-old Santa Maria River levee was recently rehabilitated to curb the flooding threat, although the U.S. Army Corps of Engineers is still working on designs to repair another 3,700 feet of the structure.

Wildfires have proven to be the most persistent disasters on the South Coast since the Painted Cave Fire burned large portions of Santa Barbara in 1990.

Subsequent hillside blazes — the Gap Fire in 2008, Tea Fire in 2008 and Jesusita Fire in 2009 — have forced the county and Santa Barbara to both sharpen and utilize their disaster plans.

“Experience is a great teacher. We had three or four major fires in the past five years,” Abrams said. “The demographics of the county have changed, though.

“A lot of new people have come into the county, people who were not affected by the Painted Cave Fire. They quickly learned where to go and how to take care of themselves. The primary goal is to keep people safe and reduce property damage impacts.”

Abrams said those emergency plans developed from the hazard mitigation plan helped prevent injuries and improve emergency services response. He also said that, because of those disasters, many county residents are better prepared.

Santa Maria is accepting public comment on its contribution to the county plan. Comments can be directed to consultant Corinne Bartshire at [cbartshire@dewberry.com](mailto:cbartshire@dewberry.com). They must be received by Sept. 15 to be considered for incorporation into the city’s plan.

“We would like the public to look this over and see if they agree about the risks and threats that the community could face,” van de Kamp said.

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## Bartshire, Corinne

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**From:** Mel Raveling [ravecpa@aol.com]  
**Sent:** Sunday, August 28, 2011 12:52 PM  
**To:** Bartshire, Corinne; 'Joan s Leon'; 'sbcgj'; tbolton@santamariatimes.com; council@ci.santamaria.ca.us  
**Subject:** Hazard Mitigation Plan  
**Attachments:** Solar Storm warning.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I read the article in today's paper about the Hazard Mitigation Plan but missed the earlier article requesting responses. I would like to include the storm warning document issued by NASA that I have attached. I know that several people that have had important inputs in the preparation of the mitigation plan, are aware of this warning, yet they failed to include this most critical possibility.

Mel Raveling  
[ravecpa@aol.com](mailto:ravecpa@aol.com)  
805-925-4991

On June 10, 2011 NASA issued a warning to all employees to prepare for a national disaster. This is a follow up on its original, earlier warning. This threat seems to be imminent according to the warnings and will overshadow any of the plans listed on our upcoming 'Hazard Mitigation Plan'. This is a survivable catastrophe if we can keep the food and most importantly, the water flowing. We must develop a non electrical method of delivering water to homes or to locations where residents can pick up sufficient quantities to survive. This warning has been on the internet but I have never heard of any news service commenting on this. Supposedly we have approximately one year to prepare.

<http://www.nasa.gov/centers/hq/emergency/personalPreparedness/index.html>

<http://www.solar-storm-warning.com/>

In light of recent news, the following information is paramount. On July 14, 2010 we learned that our sun is passing through an interstellar energy cloud which excites/energizes the sun. NASA, along with The National Academy of Science and other world renowned scientist are so concerned about this up and coming solar maximum in late 2012, that way back in March 10, 2006 NASA issued a solar storm warning (in writing) for 2012. What NASA omitted in their 2006 solar storm warning is what prompted NASA in the first place to issue a 2012 solar storm warning four years in advance? Then in 2010, NASA again warns the general population of a pending solar storm, telling the population to get ready for a once in a lifetime solar storm. Despite that news agencies and websites like this one are beginning to cover this developing story, no high government official has yet to stick his or her neck out to make an official announcement about the catastrophic implications as to allow the global population to begin preparing.

The following scientific data revealed by Alexei Dmitriev further supports NASA's original 2012 solar storm warning issued back in March of 2006.

**NEWS** Astrophysicist Alexei Dmitriev says that both Voyager 1 and Voyager 2 satellites reveal that our sun, as well as our entire solar system, is now moving into an interstellar energy cloud. Opher, a NASA

*Heliophysics Guest Investigator from George Mason University says this interstellar energy cloud is turbulent. Dmitriev explains that this cloud of energy is exciting the atmospheres of our planets and especially our sun. As this interstellar energy cloud continues to excite/charge the sun, it causes the sun to become more active, resulting in greater output from the sun. IE: Bigger and more frequent solar storms and CME's resulting in the **Carrington effect**. This interstellar cloud of electrical energy is also absorbed by the Earth, and scientist have found that it results in more earth quakes, all while dramatically effecting our weather here on earth. When asked how long will it take our sun to pass through this interstellar energy cloud, Dr. Dmitriev replied, "I don't know. But If I had to guess, I would say somewhere between two thousand to three thousand years." *This interstellar cloud is a wispy band of charged particles through which our solar system is slowly moving through.**

When Dr. Dmitriev was asked what are the implications of all this for earth he replied, "Global catastrophe! Not in tens of years from now, but in ones of years" ...in that this global catastrophe is basically right around the corner setting the stage for NASA's latest solar storm warning 2012-2013.

Dr. Dmitriev is talking about the Carrington Effect which can knock out electrical power and all modern forms of communications worldwide for months on end, even years. When that happens, global anarchy and mass looting will soon begin as the food chain will become paralyzed/crippled in modern countries, while water shortages will quickly become a threat to our very survival because electricity is what runs the pumps that get the water to our homes and offices. If you are not prepared to be self efficient for one to two years, then you and your family will be at risk of dehydration and starvation during a time when drinking water, food and toilet paper will be more valuable than money itself.

Mel Raveling

805-925-4991

ravecpa@aol.com

## Bartshire, Corinne

---

**From:** Mark Van de Kamp [mvandekamp@ci.santa-maria.ca.us]  
**Sent:** Tuesday, September 06, 2011 3:07 PM  
**To:** Bartshire, Corinne  
**Subject:** FW: Hazard Mitigation Plan

Corinne, I received this comment today. Note - the person does not live in the City of Santa Maria.  
Mark

Mark van de Kamp / Management Analyst II / City Manager's Office / City of Santa Maria / 110 E. Cook Street, Rm. 1 / Santa Maria, CA 93454 / (805) 925-0951 ext. 372 / Fax: (805) 349-0657 [mvandekamp@ci.santa-maria.ca.us](mailto:mvandekamp@ci.santa-maria.ca.us) / [www.ci.santa-maria.ca.us](http://www.ci.santa-maria.ca.us)

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**From:** Marsha Wicklund [mailto:marsh.wick@gmail.com]  
**Sent:** Friday, September 02, 2011 10:36 PM  
**To:** Mark Van de Kamp  
**Subject:** Hazard Mitigation Plan

Hi Mark,

I have been reading the Hazard Mitigation Plan and while I think the plan is well done I would have appreciated information that I, as a local resident, could use during an emergency. I am looking for evacuation plans in case of an earthquake or tsunami. What are the best ways to leave town? Other than Marian Medical where can other medical facilities be found? Where should we gather? Since pilots often fly the highways as a navigation tool it makes sense to me to gather at the highway 101 over pass areas.

I think this kind of information would empower the community as for-armed is for-armed. Also, with that information available the city would have an idea what was happening in the community during the emergency.

I have not been able to locate any information of this kind. The Red Cross told me I didn't need to worry about that as if something happened they would be here to assist. If I have to go find the Red Cross during the emergency to get the information I have wasted lots of precious time and added to the crisis.

I live in Orcutt so that would be my primary area of concern.

Thanks for taking the time to work on this. I really appreciate it.

God Bless you,  
Marsha Wicklund

### 15.8.3 Santa Maria Attachment 3: Exposure Analysis

This table displays the exposure of each of the identified critical facilities to the mapped hazards.

Flood Hazard

Map ID	Critical Facility	Type	Address	Bldg Value	Contents Value	Total Value	Capacity	FEMA Flood Zone	Flood Overlay Zone
1	Main Office/Maint Shop	Utilities	2065 East Main Street	\$5,000,000	\$400,000	\$5,400,000	52	Outside Floodplain	Outside Flood Overlay Zone
2	Landfill Scale House/Scale	Utilities	2065 East Main Street	\$491,704	\$108,525	\$600,229	3	Outside Floodplain	Outside Flood Overlay Zone
3	NHIS Scale House/Scale	Utilities	2065 East Main Street	\$30,000	\$10,000	\$40,000	1	Outside Floodplain	Outside Flood Overlay Zone
4	Hazardous Waste Facility	Utilities	2117 East Main Street	\$918,200	\$250,000	\$1,168,200	0	Outside Floodplain	Outside Flood Overlay Zone
5	Co-Gen Facility (Contractor: J&A)	Utilities	2117 East Main Street	\$0	\$1,500,000	\$1,500,000	0	Outside Floodplain	Outside Flood Overlay Zone
6	Co-Gen Facility (Contractor: J&A)	Utilities	1400 East Church Street	\$0	\$2,000,000	\$2,000,000	3	Outside Floodplain	Outside Flood Overlay Zone
7	Old Scale House (Non-Operational)	Utilities	2117 East Main Street	\$20,000	\$0	\$20,000	0	Outside Floodplain	Outside Flood Overlay Zone
8	Trailer Office (Contractor: CCRR)	Utilities	2065 East Main Street	\$55,000	\$10,000	\$65,000	6	Outside Floodplain	Outside Flood Overlay Zone
9	Baler (Contractor: CCRR)	Utilities	2065 East Main Street	\$400,000	\$200,000	\$600,000	2	Outside Floodplain	Outside Flood Overlay Zone
10	Fire Suppression Pump House	Utilities	2065 East Main Street	\$20,000	\$370,000	\$390,000	0	Outside Floodplain	Outside Flood Overlay Zone
11	Emergency Generator House	Utilities	2065 East Main Street	\$20,000	\$100,000	\$120,000	0	Outside Floodplain	Outside Flood Overlay Zone
12	Water Well Operations #1	Utilities	2065 East Main Street	\$100,000	\$0	\$100,000	0	Outside Floodplain	Outside Flood Overlay Zone
13	Water Well Operations #2	Utilities	2065 East Main Street	\$100,000	\$0	\$100,000	0	Outside Floodplain	Outside Flood Overlay Zone
14	Flare Facility	Utilities	2117 East Main Street	\$1,300,000	\$0	\$1,300,000	0	Outside Floodplain	Outside Flood Overlay Zone
15	Waste Water Treatment Facility	Utilities	601 South Black Road	\$3,394,018	\$27,891,887	\$31,285,905	25	Outside Floodplain	Outside Flood Overlay Zone
16	Main Office	Utilities	601 South Black Road	(Included in WWTP)	(Included in WWTP)		7	Outside Floodplain	Outside Flood Overlay Zone
17	Maintenance Shop	Utilities	601 South Black Road	(Included in WWTP)	(Included in WWTP)		0	Outside Floodplain	Outside Flood Overlay Zone
18	Septage Receiving Station	Utilities	601 South Black Road	(Included in WWTP)	(Included in WWTP)		1	Outside Floodplain	Outside Flood Overlay Zone
19	Co-Gen/Flares (Contractor: USE)	Utilities	601 South Black Road	\$500,000	\$1,800,000	\$2,300,000	0	Outside Floodplain	Outside Flood Overlay Zone
20	Water Well #5H	Utilities	516 South McClelland	\$0	\$200,000	\$200,000	0	Outside Floodplain	Outside Flood Overlay Zone
21	Water Well #5	Utilities	3850 Mitchell Road	\$0	\$200,000	\$200,000	0	Outside Floodplain	Outside Flood Overlay Zone
22	Water Well #6 (Not Operational)	Utilities	3024 Air Park Drive	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
23	Water Well #7	Utilities	3602 Air Park Drive	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
24	Water Well #8	Utilities	800 West McCoy Street	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
25	Water Well #9	Utilities	1301 Fairway Drive	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
26	Blending Station	Utilities	1301 Fairway Drive	\$1,203,721	\$9,460,044	\$10,663,765	0	Outside Floodplain	Outside Flood Overlay Zone
27	Water Well #10	Utilities	2601 "A" Street	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
28	Water Well #11	Utilities	2811 Skyway Drive	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
29	Water Well #12	Utilities	2902 "E" Street	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
30	Water Well #13	Utilities	3202 "E" Street	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
31	Water Well #14	Utilities	3440 "E" Street	\$5,000	\$200,000	\$205,000	0	Outside Floodplain	Outside Flood Overlay Zone
32	Reservoirs #4, #5, #6	Utilities	1520 Prell Road	\$50,000	\$21,000,000	\$21,050,000	0	Outside Floodplain	Outside Flood Overlay Zone
33	Bower Lift Station	Utilities	Corner of Wisteria & Lorencita	\$0	\$100,000	\$100,000	0	100 Year	Within Flood Overlay Zone
34	Distribution Pressure Station	Utilities	Corner of Miller & Donovan	\$0	\$6,000	\$6,000	0	Outside Floodplain	Outside Flood Overlay Zone
35	Cuyama Branch Library	Library	60 Newsome St.	\$94,107	\$290,450.00	\$384,557	40	100 Year	Within Flood Overlay Zone
36	New Main Library	Library	421 S. McClelland Street	\$25,216,157	\$5,589,037	\$30,805,194	1715	Outside Floodplain	Outside Flood Overlay Zone
37	Orcutt Branch Library	Library	1157 K E. Clark St.	\$400,000	\$894,485.00	\$1,294,485	75	Outside Floodplain	Outside Flood Overlay Zone
38	Guadalupe Branch Library	Library	4719 W. Main St. Unit D	\$500,000	\$417,209.00	\$917,209	100	Outside Floodplain	Outside Flood Overlay Zone
39	Public Works Operations Offices and Yard (Including Fleet Fueling Facility, Fleet Maint. Shop, materials storage, etc.)	Public Works	810 W. Church St.	\$4,000,000	\$1,000,000	\$5,000,000	45	Outside Floodplain	Outside Flood Overlay Zone
40	Public Works Engineering Ruffoni Bldg.	Public Works	110 S. Pine St.	\$3,000,000	\$750,000	\$3,750,000	50	500 Year	Outside Flood Overlay Zone

Flood Hazard

Map ID	Critical Facility	Type	Address	Bldg Value	Contents Value	Total Value	Capacity	FEMA Flood Zone	Flood Overlay Zone
41	SMAT Operations and Maintenance Facility	Public Works	1303 Fairway Dr.	\$2,200,000	\$600,000	\$2,800,000	40	Outside Floodplain	Outside Flood Overlay Zone
42	SMAT Transit Center	Public Works	Boone Street	\$4,500,000	\$50,000	\$4,550,000	5	500 Year	Outside Flood Overlay Zone
43	Abel Maldonado Youth Center	Rec and Parks	600 S McClelland	\$4,865,398	\$1,011,054	\$5,876,452	0	Outside Floodplain	Outside Flood Overlay Zone
46	Hagerman Sports Complex	Rec and Parks	3300 Skyway Dr	\$1,083,815	\$4,567	\$1,088,382	0	Outside Floodplain	Outside Flood Overlay Zone
47	North Preisker Ranch Park	Rec and Parks	801 Boxcar				50	Outside Floodplain	Outside Flood Overlay Zone
48	Grogan Park	Rec and Parks	1155 W Rancho Verde	\$415,464	\$2,866	\$418,330	0	Outside Floodplain	Outside Flood Overlay Zone
49	Jim May Park	Rec and Parks	809 Stanford Rd			\$0	0	500 Year	Outside Flood Overlay Zone
50a	Fire Station #3 (Old)	Fire	1527 N College Dr	\$153,458	\$36,372	\$189,830	3	Outside Floodplain	Outside Flood Overlay Zone
50b	Fire Station #3 (New)*	Fire	2305 N. Preskier	\$2,221,200		\$2,221,200	3	Outside Floodplain	Outside Flood Overlay Zone
51	Fire Station #5	Fire	Donovan/Suey	\$2,343,000		\$2,343,000	3	Outside Floodplain	Outside Flood Overlay Zone
52	Edwards Community Center	Rec and Parks	809 N Panther Dr	\$1,556,988	\$33,744	\$1,590,732	0	Outside Floodplain	Outside Flood Overlay Zone
53	Fire Station #6	Fire	Airport			\$0	0	Outside Floodplain	Outside Flood Overlay Zone
54	Maramonte Park	Rec and Parks	620 E Sunset Dr	\$321,976	\$1,282	\$323,258	0	Outside Floodplain	Outside Flood Overlay Zone
55	Rotary Centennial Park	Rec and Parks	2625 S College Dr			\$0	0	Outside Floodplain	Outside Flood Overlay Zone
56	Fire Station #4	Fire	2637 S College Dr	\$1,481,873	\$57,673	\$1,539,546	3	Outside Floodplain	Outside Flood Overlay Zone
57	Fire Station #2	Fire	416 W Carmen Ln	\$574,561	\$95,659	\$670,220	3	Outside Floodplain	Outside Flood Overlay Zone
58	Police Department-New	Police	1111 W Betteravia Rd	\$20,989,529		\$20,989,529	170	Outside Floodplain	Outside Flood Overlay Zone
59	Safe Haven (Newlove Comm. Bldg)		1619 S Thornburg	\$227,161	\$37,489	\$264,650	0	Outside Floodplain	Outside Flood Overlay Zone
60	Buena Vista Park	Rec and Parks	800 S Pine St			\$0	0	Outside Floodplain	Outside Flood Overlay Zone
61	Warehouse/Parks Shop	Rec and Parks	815 W Cypress St	\$720,427	\$102,912	\$823,339	0	Outside Floodplain	Outside Flood Overlay Zone
62	Police Offsite	Police	705 W Cypress St	\$793,536	\$149,953	\$943,489	0	Outside Floodplain	Outside Flood Overlay Zone
63	314 W Cook St Complex	Fire	314 W Cook St	\$285,627	\$110,261	\$395,888	0	Outside Floodplain	Outside Flood Overlay Zone
64	Fire Administration	Fire	314 W Cook St	\$666,460		\$666,460	0	Outside Floodplain	Outside Flood Overlay Zone
65	Fire Station #1	Fire	300 W Cook St	\$1,895,200	\$249,523	\$2,144,723	3	Outside Floodplain	Outside Flood Overlay Zone
66	Library Parking Structure		420 S McClelland	\$4,726,465		\$4,726,465	0	500 Year	Outside Flood Overlay Zone
67	Library-Old	Library	420 S Broadway	\$4,071,697	\$0	\$4,071,697	0	Outside Floodplain	Outside Flood Overlay Zone
68	City Hall		110 E Cook St	\$1,605,082	\$1,564,414	\$3,169,496	30	500 Year	Outside Flood Overlay Zone
69	Police Department "B"	Police	206 E Cook St	\$2,826,541	\$267,336	\$3,093,877	0	500 Year	Outside Flood Overlay Zone
70	Police Department "A"	Police	222 E Cook St	\$3,684,008	\$1,570,789	\$5,254,797	0	500 Year	Outside Flood Overlay Zone
71	Paul Nelson Aquatic Center	Rec and Parks	516 S McClelland St	\$1,397,110	\$38,469	\$1,435,579	0	Outside Floodplain	Outside Flood Overlay Zone
72	Lawn Bowling		420 S McClelland			\$0	0	500 Year	Outside Flood Overlay Zone
73	Elk's Field	Rec and Parks	622 S McClelland St	\$222,162	\$12,809	\$234,971	0	500 Year	Outside Flood Overlay Zone
74	Recreation and Parks Office	Rec and Parks	615 S McClelland	\$712,141	\$162,975	\$875,116	0	Outside Floodplain	Outside Flood Overlay Zone
75	Museum/Chamber of Commerce		616 S Broadway	\$806,080		\$806,080	10	Outside Floodplain	Outside Flood Overlay Zone
76	Simas Park	Rec and Parks	516 S McClelland			\$0	0	100 Year	Within Flood Overlay Zone
77	Parks Yard	Rec and Parks	622 S McClelland St			\$0	0	Outside Floodplain	Outside Flood Overlay Zone
78	Rec and Parks Equipment Storage	Rec and Parks	622 S McClelland St	\$200,730	\$71,831	\$272,561	0	Outside Floodplain	Outside Flood Overlay Zone
79	Parking Structure "A"			\$30,065,176		\$30,065,176	0	500 Year	Outside Flood Overlay Zone
80	Town Center East		142 Town Center East			\$0	0	500 Year	Outside Flood Overlay Zone
81	Parking Structure "B"		120 E. Main St	\$15,423,098		\$15,423,098	0	500 Year	Outside Flood Overlay Zone
82	Louie B's Parking Lot		213 E. Main St			\$0	0	500 Year	Outside Flood Overlay Zone
83	Rosalind Perlman Park Plaza	Rec and Parks	100 N Broadway			\$0	0	500 Year	Outside Flood Overlay Zone
84	Town Center West					\$0	0	500 Year	Outside Flood Overlay Zone
85	Chapel Street Parking Lot					\$0	0	500 Year	Outside Flood Overlay Zone
86	Veterans Memorial Community Center	Rec and Parks	313 W. Tunnell St	\$2,711,366	\$22,492	\$2,733,858	0	Outside Floodplain	Outside Flood Overlay Zone
87	City Attorney/Code Compliance	City Attorney	204 E Cook Street	(Included in Police Department "B")	(Included in Police Department "B")		0	500 Year	Outside Flood Overlay Zone
88	Media Center	City Manager	510 E Park Ave	\$548,792	\$162,642	\$711,434	0	Outside Floodplain	Outside Flood Overlay Zone
44A	Minami Community Center	Rec and Parks	600 W Enos	\$2,973,421	\$33,528	\$3,006,949	0	Outside Floodplain	Outside Flood Overlay Zone
44B	Atkinson Community Center	Rec and Parks	1000 N Railroad	\$1,865,143	\$13,709	\$1,878,852	0	Outside Floodplain	Outside Flood Overlay Zone
45A	Elwin Mussell Senior Center	Rec and Parks	510 E Park	\$1,383,021	\$37,323	\$1,420,344	0	Outside Floodplain	Outside Flood Overlay Zone
45B	Preisker Park	Rec and Parks	330 Hidden Pines Way			\$0	0	Outside Floodplain	Outside Flood Overlay Zone

\* - Item 50b, Fire Station #3 (new) was added after the initial analysis was performed. It is expected to be operational within a year and is located approximately 1 mile from the existing Fire Station #3 which is still operational. For the purpose of this analysis, the new station is presumed to be exposed to the same natural hazards as the existing station.

**Fire Hazard**

Map ID	Critical Facility	Fire Severity Zone	WUI Zone	Fire Threat
1	Main Office/Maint Shop	Outside Fire Severity Zone	Within WUI	Moderate
2	Landfill Scale House/Scale	Outside Fire Severity Zone	Within WUI	Little or No Threat
3	NHIS Scale House/Scale	Outside Fire Severity Zone	Within WUI	Little or No Threat
4	Hazardous Waste Facility	Outside Fire Severity Zone	Within WUI	Little or No Threat
5	Co-Gen Facility (Contractor: J&A)	Outside Fire Severity Zone	Within WUI	Little or No Threat
6	Co-Gen Facility (Contractor: J&A)	Outside Fire Severity Zone	Within WUI	Moderate
7	Old Scale House (Non-Operational)	Outside Fire Severity Zone	Within WUI	Little or No Threat
8	Trailer Office (Contractor: CCRR)	Outside Fire Severity Zone	Within WUI	Little or No Threat
9	Baler (Contractor: CCRR)	Outside Fire Severity Zone	Within WUI	Moderate
10	Fire Suppression Pump House	Outside Fire Severity Zone	Within WUI	Moderate
11	Emergency Generator House	Outside Fire Severity Zone	Within WUI	Moderate
12	Water Well Operations #1	Outside Fire Severity Zone	Within WUI	Little or No Threat
13	Water Well Operations #2	Outside Fire Severity Zone	Within WUI	Little or No Threat
14	Flare Facility	Outside Fire Severity Zone	Within WUI	Little or No Threat
15	Waste Water Treatment Facility	Outside Fire Severity Zone	Within WUI	Little or No Threat
16	Main Office	Outside Fire Severity Zone	Within WUI	Moderate
17	Maintenance Shop	Outside Fire Severity Zone	Within WUI	Little or No Threat
18	Septage Receiving Station	Outside Fire Severity Zone	Within WUI	Moderate
19	Co-Gen/Flares (Contractor: USE)	Outside Fire Severity Zone	Outside WUI	
20	Water Well #5H	Outside Fire Severity Zone	Within WUI	Moderate
21	Water Well #5	Outside Fire Severity Zone	Within WUI	Little or No Threat
22	Water Well #6 (Not Operational)	Outside Fire Severity Zone	Within WUI	Moderate
23	Water Well #7	Outside Fire Severity Zone	Within WUI	Moderate
24	Water Well #8	Outside Fire Severity Zone	Within WUI	Little or No Threat
25	Water Well #9	Outside Fire Severity Zone	Within WUI	Moderate
26	Blending Station	Outside Fire Severity Zone	Within WUI	Moderate
27	Water Well #10	Outside Fire Severity Zone	Within WUI	Moderate
28	Water Well #11	Outside Fire Severity Zone	Within WUI	Little or No Threat
29	Water Well #12	Outside Fire Severity Zone	Within WUI	Moderate
30	Water Well #13	Outside Fire Severity Zone	Within WUI	Little or No Threat
31	Water Well #14	Outside Fire Severity Zone	Within WUI	Moderate
32	Reservoirs #4, #5, #6	Outside Fire Severity Zone	Within WUI	Little or No Threat
33	Bower Lift Station	Outside Fire Severity Zone	Within WUI	Moderate
34	Distribution Pressure Station	Outside Fire Severity Zone	Outside WUI	Little or No Threat
35	Cuyama Branch Library	Outside Fire Severity Zone	Within WUI	Moderate
36	New Main Library	Outside Fire Severity Zone	Within WUI	Moderate
37	Orcutt Branch Library	Outside Fire Severity Zone	Within WUI	Moderate
38	Guadalupe Branch Library	Outside Fire Severity Zone	Within WUI	Moderate
39	Public Works Operations Offices and Yard (Including Fleet Fueling Facility, Fleet Maint. Shop, materials storage, etc.)	Outside Fire Severity Zone	Within WUI	Moderate
40	Public Works Engineering Ruffoni Bldg.	Outside Fire Severity Zone	Within WUI	Little or No Threat

Fire Hazard				
Map ID	Critical Facility	Fire Severity Zone	WUI Zone	Fire Threat
41	SMAT Operations and Maintenance Facility	Outside Fire Severity Zone	Within WUI	Moderate
42	SMAT Transit Center	Outside Fire Severity Zone	Within WUI	Moderate
43	Abel Maldonado Youth Center	Outside Fire Severity Zone	Within WUI	Moderate
46	Hagerman Sports Complex	Outside Fire Severity Zone	Within WUI	Little or No Threat
47	North Preisker Ranch Park	Outside Fire Severity Zone	Within WUI	Little or No Threat
48	Grogan Park	Outside Fire Severity Zone	Within WUI	Little or No Threat
49	Jim May Park	Outside Fire Severity Zone	Within WUI	Moderate
50a	Fire Station #3 (Old)	Outside Fire Severity Zone	Within WUI	Moderate
50b	Fire Station #3 (New)*	Outside Fire Severity Zone	Within WUI	Moderate
51	Fire Station #5	Outside Fire Severity Zone	Within WUI	Little or No Threat
52	Edwards Community Center	Outside Fire Severity Zone	Within WUI	Little or No Threat
53	Fire Station #6	Outside Fire Severity Zone	Within WUI	High
54	Maramonte Park	Outside Fire Severity Zone	Within WUI	Little or No Threat
55	Rotary Centennial Park	Outside Fire Severity Zone	Within WUI	Moderate
56	Fire Station #4	Outside Fire Severity Zone	Within WUI	Moderate
57	Fire Station #2	Outside Fire Severity Zone	Within WUI	Moderate
58	Police Department-New	Outside Fire Severity Zone	Within WUI	Little or No Threat
59	Safe Haven (Newlove Comm. Bldg)	Outside Fire Severity Zone	Within WUI	Moderate
60	Buena Vista Park	Outside Fire Severity Zone	Within WUI	Moderate
61	Warehouse/Parks Shop	Outside Fire Severity Zone	Within WUI	Moderate
62	Police Offsite	Outside Fire Severity Zone	Within WUI	Moderate
63	314 W Cook St Complex	Outside Fire Severity Zone	Within WUI	Moderate
64	Fire Administration	Outside Fire Severity Zone	Within WUI	Little or No Threat
65	Fire Station #1	Outside Fire Severity Zone	Within WUI	Little or No Threat
66	Library Parking Structure	Outside Fire Severity Zone	Within WUI	Little or No Threat
67	Library-Old	Outside Fire Severity Zone	Within WUI	Little or No Threat
68	City Hall	Outside Fire Severity Zone	Within WUI	Moderate
69	Police Department "B"	Outside Fire Severity Zone	Within WUI	Moderate
70	Police Department "A"	Outside Fire Severity Zone	Within WUI	Moderate
71	Paul Nelson Aquatic Center	Outside Fire Severity Zone	Within WUI	Moderate
72	Lawn Bowling	Outside Fire Severity Zone	Within WUI	High
73	Elk's Field	Outside Fire Severity Zone	Within WUI	Moderate
74	Recreation and Parks Office	Outside Fire Severity Zone	Within WUI	Moderate
75	Museum/Chamber of Commerce	Outside Fire Severity Zone	Within WUI	Moderate
76	Simas Park	Outside Fire Severity Zone	Within WUI	Little or No Threat
77	Parks Yard	Outside Fire Severity Zone	Within WUI	Little or No Threat
78	Rec and Parks Equipment Storage	Outside Fire Severity Zone	Within WUI	Moderate
79	Parking Structure "A"	Outside Fire Severity Zone	Within WUI	Little or No Threat
80	Town Center East	Outside Fire Severity Zone	Within WUI	Little or No Threat
81	Parking Structure "B"	Outside Fire Severity Zone	Within WUI	Moderate
82	Louie B's Parking Lot	Outside Fire Severity Zone	Within WUI	Moderate
83	Rosalind Perlman Park Plaza	Outside Fire Severity Zone	Within WUI	Moderate
84	Town Center West	Outside Fire Severity Zone	Within WUI	Moderate
85	Chapel Street Parking Lot	Outside Fire Severity Zone	Within WUI	Moderate
86	Veterans Memorial Community Center	Outside Fire Severity Zone	Outside WUI	Moderate
87	City Attorney/Code Compliance	Outside Fire Severity Zone	Within WUI	Moderate
88	Media Center	Outside Fire Severity Zone	Within WUI	Moderate
44A	Minami Community Center	Outside Fire Severity Zone	Within WUI	Moderate
44B	Atkinson Community Center	Outside Fire Severity Zone	Outside WUI	Moderate
45A	Elwin Mussell Senior Center	Outside Fire Severity Zone	Within WUI	Moderate
45B	Preisker Park	Outside Fire Severity Zone	Within WUI	Little or No Threat

\* - Item 50b, Fire Station #3 (new) was added after the initial analysis was performed. It is expected to be operational within a year and is located approximately 1 mile from the existing Fire Station #3 which is still operational. For the purpose of this analysis, the new station is presumed to be exposed to the same natural hazards as the existing station.

Map ID	Critical Facility	Tsunami Inundation Area	Landslide Incidence	Earthquake Hazard	
				Groundwater/ Liquefaction Severity	Ground Peak Acceleration
1	Main Office/Maint Shop	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
2	Landfill Scale House/Scale	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
3	NHIS Scale House/Scale	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
4	Hazardous Waste Facility	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
5	Co-Gen Facility (Contractor: J&A)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
6	Co-Gen Facility (Contractor: J&A)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
7	Old Scale House (Non-Operational)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
8	Trailer Office (Contractor: CCR)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
9	Baler (Contractor: CCR)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
10	Fire Suppression Pump House	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
11	Emergency Generator House	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
12	Water Well Operations #1	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
13	Water Well Operations #2	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
14	Flare Facility	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
15	Waste Water Treatment Facility	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
16	Main Office	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
17	Maintenance Shop	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
18	Septage Receiving Station	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
19	Co-Gen/Flares (Contractor: USE)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
20	Water Well #5H	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
21	Water Well #5	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
22	Water Well #6 (Not Operational)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
23	Water Well #7	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
24	Water Well #8	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
25	Water Well #9	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
26	Blending Station	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
27	Water Well #10	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
28	Water Well #11	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
29	Water Well #12	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
30	Water Well #13	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
31	Water Well #14	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
32	Reservoirs #4, #5, #6	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
33	Bower Lift Station	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
34	Distribution Pressure Station	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
35	Cuyama Branch Library	Outside Tsunami Inundation Area	Low	Moderate/High	1.35
36	New Main Library	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
37	Orcutt Branch Library	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
38	Guadalupe Branch Library	Outside Tsunami Inundation Area	Low	High/High	1.05
39	Public Works Operations Offices and Yard (Including Fleet Fueling Facility, Fleet Maint. Shop, materials storage, etc.)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
40	Public Works Engineering Ruffoni Bldg.	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95

Map ID	Critical Facility	Tsunami Inundation Area	Landslide Incidence	Earthquake Hazard	
				Groundwater/ Liquefaction Severity	Ground Peak Acceleration
41	SMAT Operations and Maintenance Facility	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
42	SMAT Transit Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
43	Abel Maldonado Youth Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
46	Hagerman Sports Complex	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
47	North Preisker Ranch Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
48	Grogan Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
49	Jim May Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
50a	Fire Station #3 (Old)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
50b	Fire Station #3 (New)*	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
51	Fire Station #5	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
52	Edwards Community Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
53	Fire Station #6	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
54	Maramonte Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
55	Rotary Centennial Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
56	Fire Station #4	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
57	Fire Station #2	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
58	Police Department-New Safe Haven (Newlove Comm. Bldg)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	1.05
59	Bldg)	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
60	Buena Vista Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
61	Warehouse/Parks Shop	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
62	Police Offsite	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
63	314 W Cook St Complex	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
64	Fire Administration	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
65	Fire Station #1	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
66	Library Parking Structure	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
67	Library-Old	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
68	City Hall	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
69	Police Department "B"	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
70	Police Department "A"	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
71	Paul Nelson Aquatic Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
72	Lawn Bowling	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
73	Eik's Field	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
74	Recreation and Parks Office	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
75	Museum/Chamber of Commerce	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
76	Simas Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
77	Parks Yard	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
78	Rec and Parks Equipment Storage	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
79	Parking Structure "A"	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
80	Town Center East	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
81	Parking Structure "B"	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
82	Louie B's Parking Lot	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
83	Rosalind Perlman Park Plaza	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
84	Town Center West	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
85	Chapel Street Parking Lot	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
86	Veterans Memorial Community Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
87	City Attorney/Code Compliance	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
88	Media Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
44A	Minami Community Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
44B	Atkinson Community Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
45A	Elwin Mussell Senior Center	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95
45B	Preisker Park	Outside Tsunami Inundation Area	Low	Moderate/Moderate	0.95

\* - Item 50b, Fire Station #3 (new) was added after the initial analysis was performed. It is expected to be operational within a year and is located approximately 1 mile from the existing Fire Station #3 which is still operational. For the purpose of this analysis, the new station is presumed to be exposed to the same natural hazards as the existing station.

#### 15.8.4 References

General Plan Annual Report 2009

<http://www.ci.santa-maria.ca.us/planning/GeneralPlanAnnualReport2009.pdf>

Economic Development Element of General Plan

<http://www.ci.santa-maria.ca.us/54327-EconomicDevelopmentElement.pdf>

Safety Element of General Plan

<http://www.ci.santa-maria.ca.us/54326.shtml>

Capital Improvement Project (taken from current 2010-12 City Budget)

<http://www.Cityofsantamariaxweb.com/Budget/2010-12/32.CapProjects.pdf>

Stormwater Management Annual Report

<http://www.ci.santa-maria.ca.us/stormwatermanagement/2010AnnualReport.pdf>

