

The City of Roseville Multi-Hazard Mitigation Plan Progress Report

Reporting Period:

July 2006 through July 2007

Background: Following a tradition of progressive and innovative planning, the City of Roseville has developed the Roseville Multi-Hazard Mitigation Plan (RMHMP) to provide its vision for reducing risk from all hazards by identifying resources, information, and strategies for risk reduction. Responding to programmatic requirements defined under the Disaster Mitigation Act of 2000, the City embarked on a 12 month planning process that was scripted to provide as many tangible benefits for the City from this single planning effort. Primarily, these benefits are associated with grant funding eligibility and meeting all requirements to achieve the nation's very first Class 1 rating under FEMA's Community Rating System (CRS). The plan was adopted by Roseville City Council on July 20, 2005, and was approved by FEMA Region IX for compliance with Section 201.6, Chapter 44 of the Code of Federal Regulations (44CFR) on August 9, 2005. By completing this process, the City has achieved compliance with the parameters of the Disaster Mitigation Act, and leveraged hazard mitigation grant funding opportunities afforded under the Robert T. Stafford Act. Copies of the plan are available to the public throughout the City of Roseville Public Library system and it can be viewed on-line at:

http://www.roseville.ca.us/fire/emergency preparedness/multi hazard mitigation plan.asp

Purpose: The purpose of this report is to provide the Roseville City Council, stakeholders and the citizens an annual update on the implementation of the action plan identified in the Roseville Multi-Hazard Mitigation Plan. This report has been prepared by the planning team and was reviewed and confirmed by the RMHMP Steering Committee in accordance with Part 5, Chapter 19.4 of the Plan. The RMHMP Steering Committee reviewed and approved this progress report at their annual meeting held July 16, 2007. The objective of this annual evaluation is to ensure that there is a continuous planning process that will keep the RMHMP dynamic and responsive to the needs and capabilities of the coalition partnership. This report will discuss the following:

- I.) Natural Hazard Events that have occurred within the last year
- II.) Changes in risk exposure within the planning area
- **III.)** Mitigation Success Stories
- **IV.)** Review of the action plan(s)
- V.) Changes in capability within the planning Area that could impact plan implementation
- VI.) Recommendations for changes/enhancement

The RMHMP Steering Committee: The development of the plan was overseen by a 13-member steering committee appointed by the Roseville City Council and comprised of planning partners and stakeholders within the planning area. This oversight committee operated under a set of ground rules that they helped to establish and that supported the primary objectives of the planning process. During the plan's development process, it was determined that the Steering Committee would remain as a viable body to oversee the maintenance aspects of the plan as established in Chapter 19. This body will remain

as organized in the established ground rules, but will be dynamic in its membership. There will be turnover in this membership annually that will be monitored via the progress reporting mechanism. It is also anticipated the Steering Committees role in overall plan implementation will be dynamic, based on the hazard mitigation needs of the city. At a minimum, the Steering Committee will provide technical review and oversight on the development of the annual progress report. For this reporting period, the Steering Committee Membership is as indicated in table PR-1.

TABLE PR-1 STEERING COMMITTEE MEMBERS							
Name	Title	Jurisdiction or Agency	Representing				
Grace Keller, Chair	Member	Community Emergency Response Team (CERT)	Stakeholder				
Clair Alway	Homeowner	Floodplain resident	Citizen				
David Benedetti	Staff Safety Engineer	NEC Electronics America Inc.	Stakeholder				
Stephen Pease	Member	Roseville Chamber of Commerce	Stakeholder				
Richard Bouldt	Western Region Environmental Health and Safety Manager	Hewlett-Packard	Stakeholder				
Russ Palchak	Assistant Administrator for Operations Planning	Kaiser Permanente	Stakeholder				
Alan Colombo	Director of Facilities	Dry Creek School District	Stakeholder				
Jerry Erickson	Member	Roseville Coalition of Neighborhood Associations (RCONA)	Citizen				
Don Snow	Manager, Chemical Transportation Safety	Union Pacific Railroad	Stakeholder				
Kevin Dickson	Division Chief	City of Roseville Fire Department	City				
Mike Isom	Planner	City of Roseville Planning Department	City				
Susan Webb	Emergency Management Coordinator	Sutter-Roseville Medical Center	Stakeholder				
George Booth	Assoc. Civil Engineer	Sacramento Department of Water Resources and Roseville city resident	Citizen/Stakeholder				
Jim Williams	Member	RCONA	Citizen				

I.) Natural Hazard Events within the Planning Area

During the reporting period, there was one natural hazard events that had a measurable impact on people or property within the planning area. Northern California did experience a series of severe heat episodes in the summer of 2006, but there were no declared disasters within the City of Roseville from July 2006 to July 2007.

The City responded to a significant wildland fire incident in west Roseville mid-afternoon on Monday, July 16th. The fire originated just north of the Roseville Energy Park, within City boundaries, and grew to approximately 1300 acres going north to Sunset Boulevard West in Placer County. Weather conditions were dry, 95 degrees, 23% humidity with sustained 7 mph winds coming from the south.

The Roseville Fire Department, with the assistance of several other Placer County and Sacramento County fire agencies, fought the fire from the ground and from the sky using air tankers and helicopters. One barn and a bridge were lost. Several other structures in the path of the flames were saved, including homes, agricultural buildings and the O'Brien Dog Kennel. Fire crews were on scene for 28 hours after the fire began to make sure all hot spots were completely out.

This incident was an excellent example of how a solid mutual aid system works. Many fire agencies came together rapidly to work as a team in a united effort to minimize the threat to lives and property.

II.) Changes in Risk exposure within the Planning Area

The RMHMP addressed the probable impact for the following natural hazard events within the City of Roseville:

- Drought
- Earthquake
- Flood
- Landslides
- Human Caused Hazards
- Human Health Hazards
- Severe Weather
- · Wildland Fire

During the reporting period, there was no occurrence of any natural hazard event within the planning area that would alter or change the probability of occurrence, or ranking of risk for the natural hazards addressed by the RMHMP.

III.) Mitigation Success Stories

- James Lee Witt Award: During the 2007 Association of State Floodplain Managers (ASFPM) annual conference in Norfolk, VA, the City of Roseville was awarded the James Lee Witt award for excellence in local floodplain management. This award seeks to find and recognize outstanding programs or activities at the front lines of floodplain management -- local programs where "the rubber meets the road". Eligible entries include local units of government such as cities, towns and counties. Certain regional forms of local government are also eligible for the Local Award. In April of 2000, the ASFPM Board of Directors resolved to name this award after FEMA Director, James Lee Witt in recognition of his landmark efforts to support, enhance and encourage local floodplain management capabilities.
- California Floodplain Management Association (FMA): During the reporting period, the City was recognized by the FMA for outstanding achievement in floodplain management in recognition of its CRS classification. The Floodplain Management Association is a nonprofit educational association. It was established in 1990 to promote the reduction of flood losses and to encourage the protection and enhancement of natural floodplain values through the use of effective wetland management strategies and engineering technologies. Members include representatives of federal, state and local government agencies as well as private consulting and construction firms
- Fire Protection Ordinances: Since the last annual update, the Fire Department has proposed, and the City Council has adopted three ordinances to protect life and property in the event of major structure fires. The adoption of a Fire Sprinkler Ordinance for Attached Housing, a High Rise Buildings Ordinance, and a Mid-Rise Buildings Ordinance in a single year represents a very proactive department and Council in seeking to protect the community from natural and human-caused hazards in the event of a structure fire.

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- Fire Sprinkler Ordinance for High Density and Attached Housing. Section 1003.2.2 of the Uniform Fire Code was amended to include a requirement for sprinklers in all buildings constructed to densities greater than or equal to thirteen (13) dwelling units per acre that is High Density residential according to the Roseville General Plan. All attached buildings constructed to densities of 7 to 12.9 dwelling units per acre, (Medium Density Residential as defined by the general plan) are also required to have automatic fire sprinkler protection.
- **High-rise Buildings Ordinance**. Section 16.15.005 was added to the Roseville Municipal Code to require the installation of fire protection systems in high-rise buildings. High-rise buildings are those higher than 75 feet at the bottom of the highest floor with human occupancy. The purpose of the ordinance adoption is to help ensure adequate fire and life safety in buildings classified as high-rise given the local conditions, including fire department resource and response capabilities to fire emergencies in multiple story buildings. Additionally, the language contained in this chapter provides clear and consistent design guidelines for the development community.
- Mid-Rise Buildings Ordinance. A Mid-Rise Buildings Ordinance was adopted by the City Council in March 2007 to add protect life and property in buildings between fifty-five feet and seventy-five feet tall. The ordinance requires the installation of five fire systems to reduce the risk of a catastrophic fire and assist occupants of the building to safely evacuate. The work was the product of the Blue Ribbon Corporate Center Committee and represents a collaborative approach between the City, the development community, and the Chamber of Commerce to make Roseville a safer city as more urban type development occurs in Roseville.
- Goat Grazing: In 2004, the City used goat grazing as a method of vegetation management for combustible grasses in two open space areas. The City will again use goat grazing as a vegetation management project in the Enwood/Folsom Road neighborhoods on the south side of Dry Creek from Harding Boulevard to James Drive. The herd of goats will graze the open space area for 7-10 days and eat dry grasses, berry vines and low-hanging tree branches. The goats are surrounded by a perimeter fence and have companion dogs as well as a 24-hour caretaker. The goats will arrive the last week of July or the first week of August. The City has included this as a mitigation measure in the Wildfire section as an environmentally sensitive method of reducing fuels while providing a safer and healthier open space for neighboring residents. The inclusion of the goat grazing in the MHMP allows the city to seek grant funding from various sources to offer this program now and in the future.
- Roseville Appointed as League of California Cities Representative to Enhanced State Hazard Mitigation Plan Update Committee: The City of Roseville was asked to participate in ongoing meetings at the State Office of Emergency Services to update the Enhanced State Hazard Mitigation Plan Update meetings. The State is required to update the State Hazard Mitigation Plan by October 2007. City staff are providing comment on the Plan and assisting with the outreach efforts to local governments throughout the State. Roseville is the only local government attending the update meetings, and Roseville's plan was one of the first reviewed by the State's plan preparation team based on the City's thoroughness and Class 1 CRS rating.
- **NIMS National Incident Management System Training.** To enhance the ability of the City of Roseville to manage domestic incidents the National Incident Management System (NIMS) was adopted by ordinance (now Roseville Municipal Code Section 9.28.075). The

ordinance also established components of the Standard Emergency Management System (SEMS) as outlined in Title 19 of the California Code of Regulations. To comply with NIMS Phase 1, key city staff attended classes and received certification based on their job classification and assigned roles should an emergency occur. Plans to train all city staff in basic NIMS continue and are now part of required training for all new and existing city employees and elected officials. Advanced training will be scheduled in the near future to comply with NIMS Phase 2. All department heads, elected officials, and staff in positions directly responsible for the Emergency Operations Center will be trained in advanced NIMS coursework.

IV.) Review of the Action Plan

This section will review the action plan of each planning partner and determine the status of each initiative. The following action plan matrix will provide the following information:

- Brief summary of the initiative
- Time Line
- Priority
- Status

Reviewers of this report should refer to Part 4 of the plan for more detailed descriptions of each initiative and the prioritization process. Under the "status" section of the following section the following comments with regards to each initiative:

- Was any element of the initiative carried out during the reporting period?
- If no action was completed, why?
- Is the timeline for implementation for the initiative still appropriate?
- If the initiative was completed, does it need to be changes or removed from the action plan?

			LE PR-2. PLAN MATRI	X	
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status
Drought					
D-1	Yes	Perform a groundwater recharge feasibility study to determine the most cost-effective way to replenish groundwater resources within Roseville.	Long- Term	High	Roseville continues to work with the California Regional Water Quality Control Board (RWQCB) on development of an Aquifer Storage and Recovery (ASR) program. Water was injected at Diamond Creek well from December 2005 to May 2006 and data collected to confirm project feasibility. Extraction is planned for 6-8 months beginning in July 2007 that is anticipated to result in an approved ASR program.
D-2	Yes	Implement aquifer storage and recovery program that uses direct injection technique in areas identified as appropriate.	Short term, on-going	High	Results of the ASR demonstration project in D-1 will provide data needed to develop a long-term program and operational plan.
D-3	Yes	Continue to implement the Environmental Utility Department's recycled water program and seek all opportunities to expand its coverage, focusing first on the Sunset Industrial area. The City pumps recycled water through a system of purple pipes completely separate from potable (drinking water) pipes. The City pumps the recycled water to customers such as golf courses and parks, where it irrigates turf and shrubs. Using recycled water for uses such as landscape irrigation reduces demand on the potable water system, creating a more reliable water supply for the entire City. Recycled water is not subject to the effects of drought.	Ongoing	High	A Water Recycling Master Plan has been developed and is being implemented. This includes expanding recycled water in the region as well as finding opportunities in the existing service areas. Recycled water is considered as a resource in all new development areas being considered.
D-4	Yes	Promote active water conservation techniques and strategies to private property owners through Roseville-sponsored outreach projects such as printed media and the City's website.	Short- term, Ongoing	High	Roseville continues to implement conservation program identified in the Urban Water Management Plan (UWMP) and USBR Water Use Plan required as part of our long term water supply contract. Implementation continues to be expanded to incorporate elements that will communicate importance of water conservation to our customers result in cost effective conservation measures.

	TABLE PR-2. ACTION PLAN MATRIX						
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Earthquak	ke			•			
EQ-1	No	Perform building-specific, structural seismic vulnerability assessment of City- owned critical facilities constructed prior to 1980 (including infrastructure). Included in this assessment will be recommended mitigation alternatives that meet goals and objectives of this plan.	Short-Term/ Ongoing	High	Major construction on any city owned building would require an assessment of the seismic vulnerability. The Building Division anticipates a vulnerability assessment to be included in the fiscal year 2008/09 budget for resources to expand the scope of service we would provide to inspect the city.		
EQ-2	No	Incorporate earthquake mitigation measures for private property into existing City-sponsored outreach programs such as printed media and the City's website.	Short-term, Ongoing	High	The City Building Division is working with the California Building officials on this program and staff anticipates the first materials (print and electronic) will be available in various forms by July 2007.		
EQ-3	No	Reassess the overall vulnerability to the earthquake hazard using the best available science and technology as it becomes available. State-sponsored programs, Seismic Hazards Mapping Act, and future FEMA-sponsored initiatives are anticipated to create a wealth of knowledge regarding this hazard that did not exist during the preparation of this plan.	Short- term	Medium	The International Code Council has updated the maps for the Roseville area. The Public Works Department and Building Division anticipate review and implementation of the new mapping in conjunction with the International Building Council in late 2007.		
EQ-4	Yes	Implement seismic construction standards under the International Building Code (IBC) as an "alternative means" code until the IBC is formally adopted as the California State Building Code.	Short- term, Ongoing	High	The City of Roseville amended its current building code by adopting the seismic and wind provisions of 2000 / 2003 IBC & IRC standards for structural stability. This was done in lieu of the option cited in the initiative. This action is considered to be a short-term alternative until the State of California officially amends the state Building Code. This initiative will still continue to be monitored pending further action by the state, and will still viewed as a high priority project. The State is scheduled to adopt the Building Code amendments in January 2008.		
Flood				1	,		
F-1	Yes	The City shall designate all areas identified as the 100- year floodplain. The boundaries of the 100-year floodplain shall be as specified in the floodplain	Ongoing	High	The city continued to implement its on-going protocols and standard for identifying, mapping, and preserving the 100 yr floodplain during this reporting period. This		

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		designations section of this component of the city's general plan. Floodplain areas shall be preserved as specified in the open space and conservation element. Such preservation may include required dedication to the City. If needed, modify the City's ordinances to include floodplain use regulations consistent with the goals, policies, and implementation measures of the safety, land use, open space and conservation, and parks and recreation elements of the City's general plan.			initiative will continue to be implemented on an on-going basis, with a high priority.			
F-2	Yes	Refer any development proposal that has a direct or indirect impact on flood protection to Public Works for comment. In addition, forward such proposals to other agencies as applicable, including the U.S. Army Corps of Engineers, California Reclamation Board, FEMA, California Department of Fish and Game, Placer County Resource Conservation District, and Placer County Flood Control District (PCFCD). Consider the comments of the agencies during the development review process.	Ongoing	High	The city continued to implement its on-going protocols and standard for reviewing flooding impacts that may be caused by new developments and forward such developments to other agencies as applicable during this reporting period. This initiative will continue to be implemented on an ongoing basis, with a high priority.			
F-3	Yes	Continue City participation in the National Flood Insurance Program and the Community Rating System (CRS). Seek CRS classification improvements within capabilities of City programs, including adoption and administration of FEMA-approved ordinances and flood insurance rate maps (FIRM).	Ongoing	High	The City of Roseville continued to participate in the CRS program, and re-certified its participation during the reporting period. The city's CRS class 1 classification became effective on October 1, 2006. Flood Insurance policy holders within the City for property owners in flood areas will receive up to a 45% premium reduction based on the classification. Roseville is the first and only CRS Class 1 community in the nation. This initiative will continue to be implemented on an ongoing basis, with a high priority.			
F-4	Yes	Continue the City's outreach program to flood-prone property owners and the citizens of Roseville, to help make them aware of the flood threat and how best to deal with them.	Ongoing	High	The City continued implementation of this outreach effort during the reporting period, as confirmed during the CRS verification of activity 330. This project will continue on an ongoing basis, with a high priority.			
F-5	Yes	Continue to pursue a regional approach to flood issues	Ongoing	High	The city continued to be actively involved in the PCFCD and participate in regional flooding studies during this			

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		by remaining actively involved in the Placer Co Flood Control District. This involvement includes cooperation in the development of a comprehensive regional database. Continue to participate in regional flooding studies, including the Auburn Creek/Coon Creek/Pleasant Grove Creek flood mitigation plan and the Dry Creek watershed flood control plan.			reporting period. Staff from the Floodplain Management Division attend the meetings on a monthly basis and a Councilmember services on the District Board. This initiative will continue to be implemented on an on-going basis, with a high priority.			
F-6	Yes	Continue City coordination with other agencies on issues of flood control. Coordination between the City and adjacent jurisdictions occurs through several mechanisms, including distribution of development proposals for review and comment. Continue City cooperation with federal, state, and local agencies, including the U.S. Army Corps of Engineers, California Reclamation Board, FEMA, California Department of Fish and Game, Placer County Resource Conservation District, and PCFCD.	Ongoing	High	The City continued to coordinate with other outside agencies on issues of flood control during this reporting period. The coordination typically occurs on a project-by-project basis and agencies are included in the meetings based on their particular jurisdiction or expertise. This initiative will continue to be implemented on an on-going basis, with a high priority.			
F-7	Yes	Continue to develop, implement, and expand the Flood Alert and Early Warning Program systems and integrate the systems with other local jurisdictions to form a regional warning program.	Short- Term/On- going	High	The city continues to develop, implement, and expand the Flood Alert system. Two new gauges were installed in the Pleasant Grove watershed, along with an upgrade to the City's "ALERT" software. These enhancements to the system were completed during the reporting period. No action was taken on an Early Warning System beyond the Roseville city limits. This initiative will continue to be implemented on an on-going basis with a high priority.			
F-8	Yes	Ensure that future specific plans and specific plan amendments are consistent with the goals and policies of the general plan. The specific plans shall include the designation and preservation of floodplain areas and adjacent habitat. Provisions shall be incorporated to ensure that public infrastructure, utilities, and emergency services remain functional during flood conditions. Such infrastructure and facilities include water, sewer and gas mains, telephone and electric lines,	Short- Term/On- going	High	The city continued to implement its protocols and standard for reviewing proposed public infrastructure, utilities, and other emergency services so that they would remain functional during flood during this reporting period. This initiative will continue to be implemented on an ongoing basis, with a high priority. Two specific plans (Sierra Vista and Creekview west of the current city limits) are currently under review by the City. The areas designated as floodplain and/or natural resource conservation areas			

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		streets and bridges, hospitals, and fire and police stations. Financing mechanisms shall be explored to fund necessary flood protection improvements and maintenance. Development agreements may be used to secure implementation and funding provisions. (Specific plans have 100% cost recovery by developers).			will be preserved as permanent open space, consistent with General Plan policy and this action item.			
F-9	Yes	Monitor and regularly update City flood studies, modeling, and associated land use, zoning, and other development regulations at a minimum of every 5 years or whenever information becomes available that would significantly modify previous data. New information could include new studies, change in City policy, consideration of a major development project or specific plan, or implementation of a flood control project.	Short- Term	High	The City's flood studies were not updated during this reporting period. The City has agreed to be a Cooperative Technical partner (CTP) with FEMA to update the North Pleasant Grove Creek and Linda Creek flood studies. The City has a service contract with RBF to update all of the Pleasant Grove Creek and Curry Creek watersheds within Roseville. The priority and timeline for this initiative will remain as assigned.			
F-10	Yes	Require a master drainage plan as part of the approval process for all specific plans and large development projects as determined by the Public Works director. The master drainage plan should consider cumulative regional drainage and flooding mitigation. The plan's intent is to ensure that the overall rate of runoff from a project does not exceed predevelopment levels. If necessary, this objective shall be achieved by incorporating run-off control measures to minimize peak flows and/or assistance in financing or otherwise implementing comprehensive drainage plans.	Short- term, Ongoing	High	The City is working with developers to prepare a master drainage and flood study for the new Creekview Plan area. A Master Drainage Plan for the Sierra Vista Specific Plan will occur in the next reporting period. The priority and timeline for this initiative will remain as assigned.			
F-11	Yes	Continue the Parks and Recreation Department's regular creek maintenance program within the City's creeks and floodplain areas. This program clears and removes debris that could contribute to blockage and flooding and may include the removal of silt. This is only done in areas of high risk to flood damage.	Ongoing	High	The city continued to implement its ongoing protocol of inspecting and maintaining its creeks and streams during the reporting period. The permit from the Department of Fish and Game for the 2007 has been issued and work is ongoing this summer. The hiring of an Open Space Manager will improve coordination for all the City's creek and open space management. Tangible benefits of this staff resource will be reported next year. This initiative			

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					will continue to be implemented on an ongoing basis, with a high priority.			
F-12	Yes	Continue annual inspection and maintenance program of City storm drain systems. Review after every major storm system function and performance. This program removes debris that could contribute to blockage of the storm drain system.	Ongoing	High	The city continued to implement its on-going protocol of inspecting and maintaining its storm drain system during the reporting period. This initiative will continue to be implemented on an ongoing basis with a high priority.			
F-13	No	Complete the final two phases of the Cirby/Linda/Dry Creek flood control project (Phase 1 and 2). Five of the seven phases of this project have been completed at a cost of about \$18,000,000. The basis for determining viability of this project will be a benefit /cost analysis to determine if project meets federal grant eligibility requirements.	Long- term	Low	No actions towards the completion of this initiative were completed during the reporting period. This will continue to be a long-term initiative with a low priority pending funding.			
F-14	No	Analyze alternative improvements to the Cirby/Linda/Dry Creek flood control project that may be cost effective in the flood-prone areas of Roseville: • Dry Creek from Darling Way to Riverside Avenue • Area on Dry Creek upstream of Folsom Road in the Columbia Avenue/Marilyn Avenue/Bonita Street area • Linda Creek near Champion Oaks Drive/Samoa Way/Hurst Way area • Cirby Creek in the Trimble Way/Zien Court area	Long -term	Low	The City's Floodplain Management staff has talked to property owners to see their willingness to sell property needed to continue with Cirby/Linda/Dry Creek project. The priority and timeline for this initiative will remain as assigned.			
F-15	Yes	Replace the Huntington Drive/Cirby Creek culvert with a bridge to protect Queens Court/Huntington Drive area. The Public Works Department oversees this project.	Short- term	High	A grant has been secured for this project and the City has the 25% match for the project.			
F-16	Yes	Divert the main drainage storm drain system down Crestmont Avenue to Cirby Way and then into Dry Creek so that the existing system will not exceed capacity. If system capacity is exceeded, the intersection on Cirby Way and Crestmont Avenue and nearby homes	Short- term	High	Funds have been allocated for this initiative in the 07/08 capital improvements budget. Funding may need to be diverted to fix a culvert on Atlantic Street in downtown Roseville rather than replacing this culvert. The priority and timeline for this initiative will remain as assigned.			

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		will flood during major flood events.				
F-17	Yes	Continue to promote and sponsor programs to buy out, relocate, and flood-proof existing flood-prone structures within Roseville.	Short- term	High	During the reporting period, the City has completed the acquisition and removal of 2 repetitive loss properties on Champion Oaks Dr. The City has applied for grant funding under the Flood Mitigation Assistance Grant program, for the acquisition of one more repetitive loss properties on Champion Oaks Dr. The completion of this project is pending award of the grant. The City will continue to pursue the acquisition of target properties with a high priority. For example, an application for grant funding to acquire the house across the street on Champion Oaks is pending and the City should be notified in August 2007 if the grant application will be funded.	
F-18	Yes	Set back and raise the sewer ponds levees at the Dry Creek Sewer Plant so raw sewage will not enter Dry Creek.	Short- term, ongoing	High	Plans, specifications, and environmental permits are being prepared. The Environmental Utilities budget includes funding for the project. As soon as percolation issues with construction of the ponds are resolved, construction will begin.	
F-19	No	Replace existing wood floodwall along Dry Creek that protects the City's Downtown Library and Public Safety Building because wood wall allows floodwater to leak through, and constant pumping is required.	Long-term	Medium	No actions towards the completion of this initiative were completed during the reporting period. This will continue to be a long-tern initiative; however, the Downtown Roseville Specific Plan has identified several projects that will lessen the risk of flooding at these two critical facilities. The Public Safety Building may be relocated based on the current long-term map for downtown and preliminary studies have begun to actually armor the library by sealing the exterior and installing a flood door to protect against flood damage should Dry Creek overspill the existing floodwall.	
F-20	No	Perform a scenario-based dam failure analysis to determine the probable impact of flooding within Roseville if western levees on Folsom Reservoir fail. These levees are considered a part of the entire dam system that creates Folsom Reservoir and are an integral	Long-term	Medium	THE UASI is preparing a catastrophic dam failure analysis. The City is contacting UASI to determine if Roseville and Placer County can partner with the UASI to update the topo maps and prepare a scenario with staged failures rather than a complete failure of Folsom and	

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		part of a dam failure analysis. This study would generate an inundation area map.			levees 5 and 6.			
F-21	No	Once the dam failure analysis is complete, create a dam failure element for the City's emergency response plan.	Long-term	Low	No dam failure analysis was completed during the reporting period; therefore this task was not completed. The priority and timeline for this initiative will remain as assigned.			
F-23	Yes	Develop a comprehensive interpretive sign program, including trial and open space preserve signage, at road crossings. Create creek corridor trail maps and coordinate with local schools and public stewardship events to increase public awareness of the need to preserve, restore, and proactively manage open space corridors and provide a sense of civic identity and pride. Interpretive signs are particularly important along the many trails adjacent to or that provide access to the City's open space resources, which are habitat for endangered species.	Short-term	High	Together with the Dry Creek Conservancy, the City of Roseville recently received a grant to install 66 creek identification signs at 33 bridge crossings in the Dry Creek watershed. The signs will be installed during the summer of 2007. The City is also actively pursuing grant funding to install the signs in the Pleasant Grove watershed. As part of developing a comprehensive interpretive sign program an interpretive sign style guide was recently completed. The City's Alternative Transportation and Community Services staff completed a new park and bike trail map that was mailed to every resident in Roseville. This has been an outstanding resource to educate residents about the open space resources in Roseville.			
Landslide								
LS-1	No	Once California Geological Survey (CAGS) completes soils mapping for the Roseville vicinity under the Seismic Hazards Mapping Act, reassess landslide hazard using best available data to gauge the true vulnerability to this hazard.	Long-term	Medium	There was no mapping performed by CAGS in the Roseville vicinity under the Seismic Hazards Mapping Act during the reporting period. Time line and priority for this project will remain unchanged, pending action by CAGS.			
LS-2	Yes	Implement soil testing standards under IBC as an "alternative means" code until the IBC is formally adopted as California State Building Code.	Short-term, ongoing	High	The 2006 IBC has been adopted by the State of California and becomes effective January 1, 2008. The City of Roseville is currently taking the necessary steps to have our formal adoption of the 2006 IBC effective at the same time.			
LS-3	Yes	Continue to implement policies adopted by the General Plan that promote open space land uses within identified	Ongoing	High	The City of Roseville Northeast Roseville Specific Plan and Stoneridge Specific Plans include the identified steep			

			BLE PR-2.		
Action Identifier	Action taken Yes/No	Initiative Description	PLAN MATRI Time Line	X Priority	Status
	2657.10	steep slope areas of Roseville.			slope areas within Roseville. Both plan areas have continuing development. When individual projects are submitted, for example a housing development along a ravine in the Stoneridge area, all City development departments and the Fire Department enforce the General Plan, Specific Plan, City construction standards and individual project conditions to protect the steep slope open space that is dedicated to the City as part of the final maps for the projects.
Human Ca	aused Haza	ards			
HC-1	Yes	Incorporate Crime Prevention Through Environmental Design strategies into future enhancements and revisions to community design guidelines.	Short- term	High	The City Council appointed a Corporate Center Committee to review all areas in the City that might develop as midrise or high raise office developments. One of the Committee recommendations is to adopt a Building Security Ordinance that formalizes the Crime Prevention through Environmental Design strategies for non-residential development. A mid-rise ordinance was enacted in March 2007. The Building Security Ordinance is being reviewed by the City Attorney's office and should be adopted during fiscal year 2007-08 by the City Council.
HC-2	Yes	Commit support to Sacramento Urban Area Security Initiative in the form of staff support from City of Roseville public safety departments. Continue to seek funding from other federal sources to fund the UASI initiatives.	Short- term	High	The Roseville Fire Department and Police Department have committed up to 2.5 full-time equivalent staff people to the Sacramento UASI. 1. 5 members of the Roseville Fire Department (Division Chief Dean Grundy and Battalion Chief Jeff Carman) report to the Sacramento UASI office to support regional readiness initiatives. The Fire Department's Battalion Chief finished his project at the UASI. A new project grant has been submitted, and the Battalion Chief will know in late July if funding is forthcoming; according to the Chief, it is a high priority, The second Operations Chief position remains funded. A Roseville police sergeant was assigned to UASI, but has retired. At UASI's request, the Police Department is holding the position open and unfilled, pending

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
					congressional decisions about future federal funding of the program.		
HC-3	Yes	Enhance emergency response capability of City by contingency planning for specific events based on identified vulnerabilities.	Short-term, ongoing	High	The Roseville Fire Department received International Accreditation during the Multi-Hazard Mitigation Planning process. The Fire Department is working on a number of initiatives to maintain the accreditation and serve all customers within the City. Annual Accreditation Updates have been submitted for 2006 &2007. The Fire Department's Hazmat Team received status as a Type I Hazardous Materials team from State OES in October 2006. Communications Supervisor Sandi Bumpus is a state-certified emergency management system (SEMS) trainer, and is in the process of training City staff in basic and advanced knowledge of the incident command system and other elements of the state's emergency management system. Additionally, the fire and police departments and emergency medical services completed at least two large-scale multi-casualty, multi-hazard drills during FY 06/07 to test and train in emergency response. Five police department volunteers have been trained by the Sacramento Region Citizens Corp Council in how to teach Neighborhood Emergency Training (NET), and have already made one presentation in Sun City, with the intent of offering more training to Roseville citizens through the Roseville Coalition of Neighborhoods.		
HC-4	Yes	Seek to establish appropriate staffing levels of public safety personnel to address vulnerabilities identified.	Short Term	High	The City added three more police officers during the 2006- 07 fiscal year, bringing the total number of sworn police officers in the City to 132. The Police Chief meets quarterly with the City Manager to discuss staffing levels and needs based on current trends, population growth, and calls for service. The number of non-sworn personnel has also increased in		

	TABLE PR-2. ACTION PLAN MATRIX							
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status			
HC-5	No	Prepare a site-specific vulnerability assessment of Cityowned critical facilities that use the best available science and technology with regards to human-caused hazards.	Long-term	Medium	the Police Department providing appropriate levels of records and dispatch staff. The Roseville Fire Department just celebrated the graduation of nine new firefighter/paramedics and six fire engineers to allow staffing of the city's second truck company that goes into service on July 21, 2007. Additional administrative staff (three additional Battalion Chiefs – one for each of three 24 hour shifts will be added this fiscal year. City resources will fund a significant investment in public safety during the 2007-2008 fiscal year to ensure that Roseville can address the vulnerabilities identified and meet the organizational goal of a Safe and Healthy Community. To date, there have been no vulnerability assessments done on facilities by police and/or fire staff. This is a long-term project that will be completed, as staffing resources and funding are available.			
HC-6	Yes	Develop and enhance a Continuity of Operations Plan specific to human-caused hazards.	Short-term, ongoing	Medium	A Continuity of Operations Plan has been completed by Sandi Bumpus and Lieutenant Stefan Moore of the Roseville Police Department specifically related specifically to pandemic flu. According to Police staff, this COOP could be applied in any situation, including where personnel were lost due to a human-caused hazard. The Plan includes an estimate of percentages of personnel who would be unavailable and a plan for continuation of critical services. The template developed for the pandemic flu scenario will be used to develop a more general plan for the City when staffing allows progress to be made.			
HC-7	Yes	Enhance camera surveillance program to improve security at electrical substations, receiving stations, and energy park.	Short-term	High	Surveillance cameras will be installed at the Roseville Energy Park before the plant becomes operational in fall 2007. Also, this year Roseville Electric is starting to install cameras and motion detectors in 15 substations to prevent vandalism improve service and enhance safety.			

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
HC-8	Yes	Address vulnerabilities identified in vulnerability assessment of water facilities performed by EUD in response to EPA initiative.	Long-term, Ongoing	High	Vulnerabilities in the City's water infrastructure were identified in a report currently kept on file in the City Attorney's Office. The Water Utility continues to take steps to implement measures identified in assessment. Several projects have progressed this past year, but will not be detailed in this report due to the confidential nature of the work.		
Human H	ealth Haza	rds					
HH-1	Yes	Continue to collaborate with the Placer County Health Department to ensure the health and welfare of the community	Ongoing	High	The City Manager's Office, Fire Department, and Communications Division collaborate with the Placer County Health Department on issues that affect the health and welfare of Roseville residents and visitors. In particular, West Nile virus communications are distributed through all media possible at the City. Staff is also participating on the Pandemic Flu Task Force. Most recently, the City has participated in communications meetings regarding severe heat potential and methods to educate the public to stay cool. In April 2007, Placer County initiated an infectious disease scenario to test the surge capacity at Sutter Roseville Medical Center and Kaiser Permanente in Roseville. A vaccination scenario also occurred at different sites to test how many patients could be vaccinated in a given time period. The Roseville Fire Department created a database of all emergency responders for early warning of disease outbreaks at care facilities. This has allowed real-time surveillance data collection through a system that reports two or more calls in any one day for the same symptoms to Placer County epidemiologists. Placer County can then work with the hospitals for care and quarantines at the care facilities.		

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
НН-2	Yes	Support the public education efforts of the Placer County Health Department and the Placer Mosquito Abatement District	Ongoing	High	The City supports the public education efforts of the Health Department and Mosquito Abatement District through print, government access television, and web materials. The City has also had significant assistance from the District on public outreach efforts for rodent control through presentations at neighborhood meetings.		
НН-3	Yes	Collaborate with the Placer County Mosquito Abatement District to review resource protection policies that conflict with human health protection in the City of Roseville and work to resolve these policy issues	Short-term	High	The Placer Mosquito Abatement District and Roseville Environmental Coordinator is working together to both protect open space and wetland areas while limiting the amount of habitat for mosquitoes and vectors. The City worked diligently with the technicians from the abatement district during the height of the West Nile virus in Roseville in summer 2005 making exceptions to policies regarding beaver dams and clearance of habitat in creeks to make sure all mosquito breeding areas identified by the district were eliminated.		
Severe We	eather						
SW-1	Yes	Continue ongoing program of conversion of overhead utilities to underground service.	Ongoing	High	Roseville Electric is working jointly with Comcast and SureWest to underground utilities on an approved schedule. Work has already begun in the Historic District, Roseville's oldest area with electric crews working overtime and weekends to underground what is truly an antique infrastructure. This will improve reliability in the area and of course improve aesthetics. Another older commercial area will be improved in 2007 – the Riverside corridor and investments will be made every year through the City's capital improvement plan to underground utilities. By jointly undergrounding the telecommunications utilities as well, reliability in the communications area will also be improved in the event of an emergency.		
SW-2	Yes	Purchase mobile generators to provide redundancy for electrical utilities.	Short- term	High	Roseville Electric purchased a large mobile generator and enough smaller generators to loan to other departments or even critical facilities that are private in the event of an		

	TABLE PR-2. ACTION PLAN MATRIX							
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status			
					emergency. These are stored at Roseville Electric and are available by request.			
SW-3	Yes	Continue the Shade Tree Program program, a community service sponsored by Roseville Electric and Roseville Urban Forest Foundation.	Ongoing	High	The Shade Tree Program incorporates the "right tree, right place" philosophy for tree placement. Trees are planted for energy conservation and to avoid future hazards with overhead and underground utilities. The RUFF program for native oak woodland restoration uses oak mitigation funds for projects in the open spaces. Some of the projects include partnerships with Roseville schools and Roseville Electric staff would like to work with more schools in the future but do not have specific goals set yet.			
SW-4	Yes	Continue ongoing line clearing and weed abatement of electrical utilities to reduce exposure to severe weather hazards.	Ongoing	High	Roseville Electric has a very aggressive line clearing and weed abatement program. The Department contracts for the service and is continually evaluating the cost effectiveness for the program. Electric senior staff is evaluating this year whether the trimming program should be a division within Roseville Electric and will make that determination this next fiscal year.			
SW-5	Yes	Continue education/outreach programs to improve winter preparedness and minimize loss of life or injury.	Short-term, ongoing	High	Educational materials are included in the Roseville Reflections newsletter, the City's weekly update and on the web on an ongoing basis. Roseville Reflections is delivered to 50,000 addresses with the Roseville Press-Tribune. The City's weekly Update is available to 24,000 cable subscribers and via the world wide web to any viewer with a personal computer and Internet access.			
SW-6	Yes	Enhance and implement strategies for debris management and removal during severe weather events.	Ongoing	High	No change in the debris management and removal strategy was adopted this past year. The Parks Department purchased new equipment this fiscal year that aids in the removal of hazardous debris with less damage to the banks of the creeks.			
Wildfire								
WF-1	Yes	Continue ongoing line clearing and weed abatement of electrical utilities to reduce exposure to fire and severe	Ongoing	High	This is an ongoing program of Roseville Electric to both protect the public from hazards and to maintain the			

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
		weather hazards.			reliability of electricity service to Roseville Electric's more than 50,000 customers.		
WF-2	Yes	Continue "Goat Grazing" program for removal of grassland in areas of Roseville potentially vulnerable to wildfire. Implement goat grazing in City open space and preserve areas for fire and invasive plant species management and native plant restoration.	Ongoing	High	The Fire Department and the Open Space Management Division are working together to implement a goat grazing project in an infill park area that has been troublesome to manage and a source of small fires. The area is very close to residences and goat grazing is an option for maintaining the vegetation in hard to reach areas. This open space area is located east of Dry Creek between James Drive and Harding Boulevard. City Council approved a mid year budget adjustment in February, which allowed staff to move forward with the project. A competitive bidding process took place and a vendor has been selected. The project is scheduled to commence the last week of July or first week of August 2007.		
WF-3	Yes	Enhance existing City public outreach programs to include information on fire safety, defensible spaces, and areas of concern.	Short- term Ongoing	High	The Fire Department continually evaluates the efficiency and effectiveness of its public education programs. Comparison with other accredited fire agencies reveals that our performance standards meet those of other agencies. The department is also evaluating the possibility of participating in the Emergency Management Accreditation Program.		
WF-4	No	Purchase a minimum 4,000-gallon water tender with wildfire fighting capability.	Long-term	Low	No Action Taken. This is not in the Fire Department's current goals but does remain an option if large amounts of open space are annexed into the City. Time-line and priority remain as amended during the first reporting period.		
WF-5	Yes	Consider adopting building code regulations that would allow only class "A" roofing on new or substantially improved structures.	Short-term	Medium	The Fire Marshal and Building Division are studying the need for a citywide Class A roofing ordinance in conjunction with Placer County and surrounding Placer County fire agencies. Currently, a Class A roofing requirement would be evaluated at the Specific Plan level, i.e., Stoneridge, and would be applied through a development agreement as appropriate.		

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
WF-6	Yes	 Enhance wildfire-fighting capabilities of the Fire Department through approaches that include Use of gel for fire protection of threatened structures, Equipment with adequate supplies of class A foam, Expanded vegetation management areas, Enhanced wildfire training for response personnel, and Establishment of a reserve supply of wildfire fighting land equipment. 	Short-term	High	All Fire Department wildland apparatus use Class foam with additional supplies available for large incidents. The foam is kept in stock and all firefighters are trained in its use. The Fire Department will not use gel in the future due to costs to retrofit equipment and the lack of a need to use the gel. This item will be deleted in the plan update.		
Multiple H	Iazards						
MH-1	Yes	Adopt IBC as amended once approved as the California State Building Code.	Short- term	High	The 2006 IBC has been adopted by the State of California and becomes effective January 1, 2008. The City of Roseville is currently taking the necessary steps to have the formal adoption of the 2006 IBC effective at the same time.		
MH-2	Yes	Continue to seek OES certification of all City inspectors for post-disaster damage assessment.	Ongoing	High	All of the City's building inspectors are OES certified. The Building Division will continue to make sure staff keep their certifications updated.		
MH-3	Yes	Establish hazard mitigation page on City website that provides following types of information: RHMP and its progress report(s) Hazard-specific information Mitigation information by hazard, with specific emphasis on private property Emergency response and warning information Links to county, state, and federal related agencies	Short-term	High	The City completed this action during the reporting period The maintenance and update of this page will be become an on-going action by the City, with a high priority. The Department's Public Education Specialist is monitoring the department's call records to identify areas of additional need for public education		
MH-4	Yes	Review existing automatic/mutual aid agreements with outside public safety agencies to identify opportunities for enhancement.	Short-term, ongoing	High	An automatic aid agreement with all western Placer County Fire Departments was entered into in early 2006. This clearly enhances the level of support from other fire agencies into the City of Roseville in large-scale emergencies.		

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
MH-5	Yes	Establish post-disaster action plan to be part of the City Emergency Operations Plan that will include following elements: • Procedures for public information • Post-disaster damage assessment • Grant writing • Code enforcement • Redundant operations	Short-term	High	A post-disaster action plan is included in the City Emergency Operations Plan. The Plan is updated periodically included the protocol for public information, damage assessment and redundant operations. City grant writing and code enforcement are also ongoing and continually updated to remain current.		
MH-6	Yes	Relocate City Emergency Operations Center out of the floodplain, and construct new facility to current seismic standards; this project would mitigate impacts of flood, earthquake, and human-caused hazards.	Short-term	High	The City of Roseville primary EOC will be located within the library/community center/public access center at Mahany Park. The facility is under construction and the Martha Riley Community Library will open in November 2007. The grand opening for the remainder of the facility is scheduled for January 27, 2008.		
MH-7	No	Implement an "Adopt an Open Space" program in coordination with the open space management program. Develop "adoption contracts" with neighborhoods, organizations, businesses, etc., describing the level of stewardship and the terms of the "adoption." Publicize these activities through online resource directory and other media to encourage participation.	Shortterm	Medium	The City did not implement an Adopt an Open Space program but was successful in hiring a full-time Open Space Manager, and is currently in the process of hiring an Urban Forester. These positions will be asked to coordinate the stewardship and community involvement in maintaining the open space. They will also prepare the online resource directory and other media to promote Roseville's open space resources.		
MH-8	Yes	Develop and disseminate best practices information to private property owners whose land is adjacent to open space areas describing stewardship opportunities and owners' role in preserving beneficial uses of open space areas (including vernal pool grassland and creek or riparian uses). Offer classes to provide in-depth information, such as demonstration projects, techniques for ecologically friendly weed abatement and vegetation control, and creating a backyard habitat compatible with open space areas.	Short-term	High	A new brochure entitled, "Doing Your Part to Care for Our Open Space" was created and provides best practices information for private property owners. Brochures produced by other organizations such as the California Invasive Plant Council are also being utilized and distributed. Additional information will also be posted on the city's open space webpage during the upcoming year.		
MH-9	Yes	Work with the Roseville City School District, local high	Short-term	Medium	Together, the City of Roseville, the Dry Creek Conservancy, and the Roseville Urban Forest Foundation		

	TABLE PR-2. ACTION PLAN MATRIX						
Action Identifier	Action taken Yes/No	Initiative Description	Time Line	Priority	Status		
		school districts, and non-profit organizations to promote ecology-oriented curricula and stewardship activities. Identify resource and administrative barriers that may be limiting schools' abilities to more actively participate in stewardship, and work collaboratively to identify solutions.			offered multiple stewardship activities including tree plantings, invasive species removal projects, workshops, nature walks and cleanups. The City was also highly involved in the 12 th annual Creek Week, which saw over 600 volunteers participate in creek cleanups at 13 different locations throughout the City. The City of Roseville also worked with Woodcreek High School on a water hyacinth removal project, which involved over 200 student volunteers.		
MH-10	No	Institute a city program requiring a "Resale Property Report" for all sale of developed real property for a fee. The report would disclose information on hazards to be provided to a prospective buyer. This disclosure would be consistent with the requirements of California Civil Code #1102. Revenue generated would fund services provided and could be used to fund minor mitigation projects within the City identified in this plan.	Long-Term	Low	No action was taken with regards to this initiative during the reporting period. Time-line and priority for this initiative were changed during the 2006 reporting period.		
MH-11	No	Manage beaver dam sites for flood control protection and habitat restoration after dam removal. One primary issue is impacts to floodwater capacity of creeks. Part of the desired comprehensive approach to beaver management includes establishment of quantitative and qualitative "carrying capacity," including acre-feet of flood capacity lost. Implement a standard monitoring and reporting process to track beaver dam locations, population, and impacts. Gain regulatory approval for beaver management techniques such as biological control and habitat manipulation using the most benign options first.	Short- term	Medium	No action on this initiative was taken during the reporting period. This initiative was moved from the flood hazard initiatives to the multiple hazard initiatives during the 2006 reporting period. The priority and timeline for this initiative will remain as assigned.		

V.) Changes within the Planning area that may impact implementation of the plan

During the reporting period, there were no significant changes within the planning area that would have a profound impact on the implementation of the plan. All technical, regulatory and financial capabilities identified by the City during the plan's development remain consistently in place throughout the planning area.

VI.) Recommendations for Changes or Enhancements

Based on the review of this report by the RMHMP Steering Committee, the following recommendations will be noted for future updates or revisions to the plan.

- The City will change the risk assessment contained within the Plan if and when the Creekview and Sierra Vista Specific Plans are annexed to the City.
- The City will consider enhancing the CERT program by marketing the availability of Sacramento Metro Fire classes to Roseville residents and looking at future staff resources to coordinate the program.
- Under plan update, the City will consider a multi-hazard initiative that deals with adopting regulations that promote protection of all buildings within the City such as the Cities recently adopted Fire Protection Ordinances.
- Building on the success of Builder incentives established by the city for its new fire
 protection ordinances, future plan updates or enhancement may want to consider providing
 builder incentives under other regulations for pro-active mitigation/prevention employed
 during new development within the City.
- Future plan updates or enhancements should address the issue of staffing for emergency services coordination within the city.

Public review notice: The contents of this report are considered to be public knowledge and have been prepared for total public disclosure. Copies of the report have been provided to: the governing bodies of all planning partners, the local media outlets, and posted on the City of Roseville Multi-Hazard Mitigation Plan website. Any questions or comments regarding the contents of this report should be directed to:

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