

Part V - Plan Maintenance

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Plan Maintenance

A. PLAN MAINTENANCE

The plan maintenance section of this document details the formal process that will ensure that this RSCCD Hazards Mitigation Plan remains an active and relevant document. The plan maintenance process includes a schedule for monitoring and evaluating the plan annually and producing a plan revision every five years. This section describes how the RSCCD will integrate public participation throughout the plan maintenance process. Finally, this section includes an explanation of how the RSCCD intends to incorporate the mitigation strategies outlined in this plan into existing planning and budget mechanisms.

B. MONITORING AND IMPLEMENTING THE PLAN

PLAN ADOPTION

RSCCD Board of Trustees is responsible for adopting the Hazard Mitigation Plan. This governing body has the authority to promote sound public policy regarding natural hazard mitigation on RSCCD campuses. Once the plan is adopted, the District's Risk Manager will be responsible for submitting the plan to the State Hazard Mitigation Officer at OES. OES will then submit the plan to the Federal Emergency Management Agency (FEMA) for review. This review will address the federal criteria outlined in FEMA Interim Final Rule 44 CFR Part 201.6(d)(3). Upon acceptance by FEMA, the RSCCD will gain eligibility for Hazard Mitigation Grant Program funds. Following OES and FEMA approval of the plan, the RSCCD will review and determine if the plan will be adopted.

C. COORDINATING BODY

The RSCCD Hazard Mitigation Committee will be responsible for coordinating implementation of the plan's mitigation strategies and undertaking the formal review process. At this time, the Hazard Mitigation Committee consists of representatives from the district, each of the eight campuses and city, county, state, non-profit, business, student body and the general public.

The Committee is supported by a larger body of technical advisors representing the cities and county in which the RSCCD facilities are located. The Cities have a vested interest in reducing the natural hazards to facilities within their cities and county. The entire Committee has responsibility for reviewing the plan and providing input on the mitigation strategies proposed and their prioritization.

In order to make this committee as broad and useful as possible, the Risk Manager, or designee, may engage other relevant organizations and agencies in the review and update of the plan.

Table 1 - Hazard Mitigation Committee

**Rancho Santiago Community College District (RSCCD) 1/14/2016
Hazard Mitigation Planning Team Update**

Name	Title	Email	Phone	Priorities
District Office 2323 North Broadway Santa Ana 92706-1640				
Adam O'Connor	Assistant Vice Chancellor Fiscal Services	OConnor.Adam@rscsd.edu	(714) 480-7320	Fiscal Support Planning
Darryl Taylor	Director of District Construction	Taylor.Darryl@rscsd.edu	(714) 480-7513	Mitigation Strategies
Don Maus	Risk Manager	Maus.Don@rscsd.edu	(714) 480-7330	Project Manager
Alistair Winter	Chief, District Safety & Security	Winter.Alistair@rscsd.edu	(714) 480-7333	Hazard Assessments
Hank Dang	Associated Student Government	HankDang@gmail.com	(714) 926-0702	Hazard Assessments
Skyler Bertram	Student Representative	sp5577@aol.com	(714) 658-4044	Hazard Assessments
Janneth Unniel	Ex. Director Child Dev. Services	Unniel.Janneth@rscsd.edu	(714) 480-7546	Mitigation Strategies
Gloria Morrison	Plan Writer	Morrison.Gloria@rscsd.edu	(714) 955-2504	Plan Writer
Santa Ana Community College 1530 West 217th Street Santa Ana 92706-3398				
Mike Colver	LT, District Safety & Security	Colver.Michael@sac.edu	(714) 564-6335	Hazard Assessments
Michael Collins	VP Administrative Services	Collins.Michael@sac.edu		Fiscal Support Planning
Nilo Upliz	Dean of Instruction Continuing Ed	Upliz.Nilo@sac.edu		Mitigation Strategies
Mark Wheeler	Facilities Manager	Wheeler.Mark@sac.edu	(714) 241-5701	Mitigation Strategies
Ron Coopman	Assistant Dean, Criminal Justice Academics	Coopman.Ron@sac.edu	(714) 566-9201	Mitigation Strategies
Santiago Canyon Community College 8045 East Chapman Avenue Orange, CA 92869-4512				
Ken Gouldsmith	LT, District Safety & Security	Gouldsmith.Ken@sccollege.edu	(714) 628-4989	Hazard Assessments
Ariean Satele	VP Administrative Services	Satele.Ariean@sccollege.edu	(714) 628-4717	Fiscal Support Planning
Jose Vargas	VP Continuing Education	Vargas.Jose@sccollege.edu	(714) 628-5910	Mitigation Strategies
Position Vacant	Facilities Manager			Mitigation Strategies
City of Santa Ana Representatives 20 Civic Center Plaza Santa Ana, CA, 92702 PO Box 1988 Ross Annex				
Randy Black	Orange County Fire Authority	randyblack@ocfa.org	(714) 292-8476	Hazard Assessments
Vince Fregoso	City Planner	vfregoso@santa-ana.org	(714) 667-2706	Mitigation Strategies
Steve Rymer	Emergency Manager	stvrmer@santa-ana.org	(714) 647-5315	City Coordination
City of Orange Representatives 300 East Chapman Avenue in Orange, CA 92666				
Jennifer Amat	Sgt. Orange Police Dept./ Emergency Manager	JAmat@orangepd.org	(714) 744-7462 (714) 325-1423	City Coordination
Alan Velasco	Orange Fire Dept.	AVelasco@cityoforange.org	(714) 288-2512	Hazard Assessments
Rick Otto	City Planner	ROtto@cityoforange.org	(714) 647-5804	Mitigation Strategies
County of Orange Representative 2644 Santiago Canyon Rd, Silverado, CA 92676				
Bryan Howde, Primary Ray Cheung Vicki Osborn	OC Sheriff Department Emergency Mgmt. Bureau	Bryan Howde bhowde@ocsd.org Ray Cheung rcheung@ocsd.org Vicki Osborn yosborn@ocsd.org	Vicki Osborn (714) 628-7019 (714) 448-1197 c Ray Cheung (714) 628-7058	County Coordination
State of California Representative				
Jim Acosta, Region I, Los Alamitos				
Victoria LaMar-Haas Sac, Tech Support				
Andrew Bush, Sac Grant Coordinator				
Ricardo Castillo, Sac New Grant Coordinator			(562) 795-2939	
As of 10/22/2015 Linda Ortiz (916) 845-8152	State OES Los Alamitos, CA 9 and Sac. New State Rep	Jim.Acosta@CALOES.ca.gov LaMar-Haas.Victoria@CalOES Linda.Ortiz@caloes.ca.gov	(916) 845-8275 (916) 845-8269 916.845.8158 916-845-8152	State Coordination/ Grant Coordination Grant Coordinator
As of 1/14/2016 Drew Hammond ESC, CA OES Pre-Disaster and Flood Mitigation Division (916) 845-8158 drew.hammond@caloes.ca.gov				
Other Representatives				
Debbie Graves	American Red Cross Santa Ana, CA 9	Debbie.Graves@redcross.org	(714) 481-5348	Public Participation
Paula Garcia-Young	Santa Ana Chamber of Commerce, Chair	info@santaanachamber.com	(714) 953-4455	Business Interests
Charla Lenarth	Orange Chamber of Commerce	charla@orangechamber.com	(714) 536-3581	Business Interests
Linda Morin	Coast Community College District	L.Morin@mail.cccd.edu	(714) 475-9059 (714) 438-4753	Lessons Learned in Community College Hazard Mitigation Planning
Hope Sellgson	MMI Engineering	HSellgson@MMIEngineering.com	Office (714) 465-1390 Cell (562) 688-6272	Hazard Maps HAZUS Building Damage Estimates

Additional resources at the state and federal levels, who were advisors on the plan will be invited to participate in RSCCD's Natural Hazards Mitigation program, including the following agencies:

- American Red Cross Orange County Chapter
- Orange County Emergency Management Organization (OCEMO)
- California Office of Emergency Services (OES)
- Federal Emergency Management Agency (FEMA)

The Hazard Mitigation Committee will meet no less than annually. Meeting dates will be scheduled once the final plan has been adopted by the Board of Trustees and approved by the appropriate FEMA office. These meetings will provide an opportunity to discuss the progress of the mitigation strategies and maintain the partnerships that are essential for the sustainability of the Hazard Mitigation Plan.

D. CONVENER

The Board of Trustees will adopt RSCCD's Hazard Mitigation Plan, and the Hazard Mitigation Committee will take responsibility for plan implementation. The Risk Manager, or designee, will serve as a convener to facilitate the meetings of the Hazard Mitigation Committee, and will assign tasks such as updating and presenting the plan to the members of the committee. Plan implementation and evaluation will be a shared responsibility among all of the Hazard Mitigation Committee members. Future updates of the plan will require participation of the entire Committee.

The Committee will:

- Review the goals and objectives of the plan
- Review the nature, magnitude and/or type of risks that have changed including any new research, reports or any major emergencies within the Orange County area and their potential impact to the RSCCD
- Review the current resources (both human resources and financial resources) to determine if they are adequate for implementing the plan.
- Determine if there are implementation problems, such as technical, political, legal, financial or coordination issues with partner agencies
- Review the progress to determine if the outcomes have occurred as expected and report the progress in an annual report
- Determine if the County and Cities in which the RSCCD facilities are located are still willing planning partners as originally proposed
- The Risk Manager will document progress and issues related to implementation of the mitigation strategies annually and present a summary to the Hazard Mitigation Committee

E. ECONOMIC ANALYSIS OF MITIGATION PROJECTS

FEMA's approach to identifying the costs and benefits associated with natural hazard mitigation strategies, measures, or projects, fall into two general categories: benefit/cost analysis and cost-effectiveness analysis. Conducting a benefit/cost analysis for a mitigation activity can assist communities in determining whether a project is worth undertaking now, in order to avoid disaster-related damages later. Cost-effectiveness analysis evaluates how best to spend a given amount of money to achieve a specific goal. Determining the economic feasibility of mitigating natural hazards can provide decision-makers with an understanding of the potential benefits and costs of an activity, as well as a basis upon which to compare alternative projects.

For funding of the RSCCD Hazard Mitigation Plan must look to:

- General Fund - RSCCD Yearly Budget used for such things as Capital Improvement Projects (CIP does not create new buildings but upgrades existing facilities)
- FEMA Hazard Mitigation Project Grants (75% FEMA/25% RSCCD)
- Bond Funds (like Measure Q and E)
- California Community College State Capital Outlay Fund Program
- California Community College Scheduled Maintenance Program
- Private grants and donations

F. IMPLEMENTATION THROUGH EXISTING PROGRAMS

The RSCCD, unlike a City/County does not address community planning goals and legislative requirements through a General Plan or Building and Safety Codes. Instead, the RSCCD must operate under the Division of the State Architect (DSA) using their Facilities Master Plan. The RSCCD Board approves all changes to the Facilities Master Plan. The Hazard Mitigation Plan provides a series of recommendations, many of which are closely related to the goals and objectives of the DSA. Other goals support County and City planning and hazard mitigation goals. For example, the RSCCD supports the Orange County 7-Year Flood Plan which heavily impacts the district's facilities.

The method the RSCCD must attempt to implement the strategies is through their own systems such as:

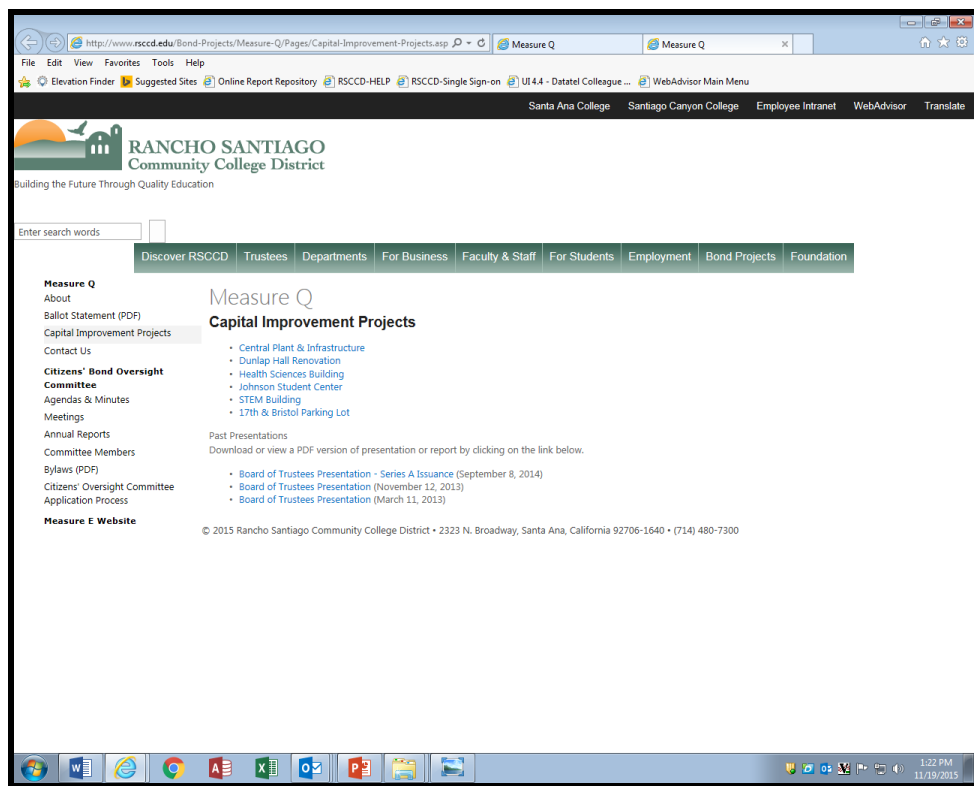
- The Facilities Master Plan
- Annual budget
- Standard Maintenance Plan
- Annual Landscape Plan
- Local Bonds
- CA Community College *Scheduled Maintenance Program*
- CA Community College *Deferred Maintenance* (requires matching funds)
- CA Community College *State Capital Outlay Fund Program*
- Local bonds and private donations

Additional recommendations include:

- Assigning the Director of District Construction the responsibility for communicating to the Board of Trustees the need for Bonds and Measures to implement the recommended hazard mitigation strategies as a result of the Hazard Mitigation Committee's recommendations (Measure E is ending and Measure Q is the more recently passed bond)
- Assigning the Risk Manager and Director of District Construction responsible for planning and implementing projects out of the Capital Improvements Project budget for implementing the strategies
- Assigning the Risk Manager as the liaison to FEMA who will notify committee participants when FEMA Hazard Mitigation Project Grants become available. (This was done this week when FEMA announced \$199,000,000 available for projects. It was disbursed to the team members who all responded that they wished we were already eligible for projects!)
- Assigning the Director of District Construction to be responsible for reviewing the State Funds including but not limited to:
 - CA Community College Scheduled Maintenance Program
 - CA Community College Deferred Maintenance (requires matching funds)
 - CA Community College State Capital Outlay Fund Program

The following figures show facility projects already planned for and funded by local bonds. The district has been aggressively upgrading/replacing the older facilities.

Figure 1: List of Measure E Capital Improvement Projects



Santiago Canyon College Projects



LIBRARY/LEARNING RESOURCE CENTER: Dedicated in Fall 2006, the Santiago Canyon College Library/Learning Resource Center is the third permanent building constructed for the college with Measure E funds.

- [College Infrastructure](#)
- [Humanities Building, Athletics & Aquatics Complex, Parking Lot](#)
- [Library/Learning Resource Center](#)
- [Orange Education Center](#)
- [Science Center](#)
- [Student Services & Instruction Building](#)

- [Measure E Milestones](#) (PDF)

Figure 2: Measure Q Projects

Discover RSCCD
Trustees
Departments
For Business
Faculty & Staff
For Students
Employment
Bond Projects
Foundation

MEASURE Q

- [About](#)
- [Ballot Statement \(PDF\)](#)
- [Capital Improvement Projects](#)
- [Contact Us](#)

CITIZENS' BOND OVERSIGHT COMMITTEE

- [Agendas & Minutes](#)
- [Meetings](#)
- [Annual Reports](#)
- [Committee Members](#)
- [Bylaws \(PDF\)](#)
- [Citizens' Oversight Committee Application Process](#)

[Measure E Website](#)

Measure Q



Dunlap Hall Renovation

Project Summary:

- Renovate and replace the aging guard rails around the pedestrian walkways on all levels of Dunlap Hall, as well as, providing a new elevator and stair tower.
- Remodel the existing restrooms.

Current Status:

- Construction began in April 2014 with a target completion expected at the end of September 2015.
- Current activities include installation and erection of structural steel.
- Upcoming activities include installation of exterior guardrail system and interior drywall system.
- This project is delayed due to delays on fabrication of structural steel and discovery of unforeseen roof leaks.
- The roof will need to be replaced following the renovation of work and completed under another contract for work.

Budget: \$17.22 million

Past Updates

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G. EVALUATING AND UPDATING THE PLAN

FORMAL REVIEW PROCESS

The RSCCD Hazard Mitigation Plan will be evaluated on an annual basis to determine the effectiveness of programs, and to reflect changes that may affect mitigation priorities. The evaluation process includes a firm schedule and time line, and identifies the local agencies and organizations participating in plan evaluation. The convener, or designee, will be responsible for contacting the Hazard Mitigation Committee members and organizing the annual meeting. Committee members will be responsible for monitoring and evaluating the progress of the mitigation strategies in the plan.

The Committee will review the goals and mitigation strategies to determine their relevance to changing situations at the RSCCD, as well as changes in State or Federal policy, and to ensure they are addressing current and expected conditions. The Committee will also review the risk assessment portion of the plan to determine if this information should be updated or modified, given new available data. The coordinating organizations responsible for the various strategies will report on the status of their projects, the success of various implementation processes, difficulties encountered, success of coordination efforts, and which strategies should be revised.

The convener, the Risk Manager, will assign the duty of updating the plan to Committee members. The designated committee members will be provided sufficient time to make appropriate changes to the plan before submitting them to the Risk Manager who will in turn submit them to Hazard Mitigation Committee members. The Hazard Mitigation Committee will also notify all holders of the RSCCD Plan when changes have been made. Every five years the updated plan will be submitted to the State Hazard Mitigation Officer and the FEMA for review.

H. 5-YEAR AND 10-YEAR GOALS

This is the first RSCCD Hazard Mitigation Plan. It researches natural hazards only. The following is the 5-Year and 10-Year goals of this plan:

- 2021 - Update the 2016 Natural Hazard Mitigation Plan
 - Improved Dam Inundation Maps (GIS) and district vulnerability analysis on dams
 - Add more detail on Climate Change/Climate Adaption and it becomes available
 - Review fire and landslide data once again to determine if these hazards should be added to the plan (one facility, SCC, was just outside the Fire Severity Zone)
 - Receive additional participation from the City of Tustin (one site is located in Tustin) who had no one available to participate on the planning team
- 2026 – Update the Plan and Add Human-Caused Hazards to the Plan

I. CONTINUED PUBLIC INVOLVEMENT

The RSCCD is dedicated to involving the public directly in review and updates of the Hazard Mitigation Plan. The Hazard Mitigation Committee members are responsible for the annual review and update of the plan initiated by the district's Risk Manager.

The public will also have every opportunity to provide feedback on the plan. Copies of the plan will be available on the RSCCD website, the Risk Management Office, and with the Clerk of the Board of Trustees. The plan will be downloadable for anyone interested. This site will list an e-mail address and phone number to which people can direct their comments and concerns. The convener or Risk Manager will act as the liaison to the public for this plan.

A public meeting will also be held on the third year annual review or when deemed necessary by the Hazard Mitigation Committee. The meeting will be advertised on outlets that include the district's website and local newspapers. The meetings will provide the public with a forum where they can express their concerns, opinions, or ideas about the plan. The District's Public Affairs Officer will be responsible for using District resources to publicize public meetings and maintain public involvement through the District's website. The Project Manager/Risk Manager will initiate this process. However, the public can comment on the plan at any time and these comments will be taken into consideration at the next annual Hazard Mitigation Plan review.

The two student representatives on the planning team may have graduated from the district before the review so two additional student representatives will be recruited for the Team. Some city/county and district representatives may have retired or left the employment of their jurisdiction so their replacements will be recruited to participate in the annual reviews.

Every opportunity will be given to the public to provide input into this plan. The public is both invited and welcomed to comment at any time. The public's comments are invaluable to the hazard mitigation planning process.

J. RSCCD FUTURE DEVELOPMENT TRENDS
Table 2: Facilities Recommended for Engineering Evaluation (2016 RSCCD Update)

This table was updated by Darryl Taylor, RSCCD Director of District Construction on February 2016. The table represents the RSCCD future hazard mitigation priority facilities.

High Priority	Moderate Priority	Planned for future demolition		
Building Site/ Building Name	Occupancy	Non-Zero Injury Rate 3 Eq Scenarios	Non-Zero Fatality Rates 3 Eq Scenarios	Moderate Bldg. Codes/ Year Built
District Office - Admin Building/District EOC	399	YES		YES 1970
SAC – Bldg 01 Administration Building	231	YES		YES 1972 Upgraded 2009
SAC – Bldg 02 Cesar Chavez Building	1,236	YES	YES	NO
SAC – Bldg 03 Fine Arts Building	414	YES		YES 1972
SAC – Bldg 04 Music Building	179	YES		YES 1970
SAC – Bldg 05 Theater Building	575	YES		YES 1955
SAC – Bldg 06 Dunlap Hall Building (\$15 million upgrade & additions complete) <i>REMOVE FROM HIGH PRIORITY LIST/Darryl Taylor</i>	1,636	YES	YES	YES 1973
SAC – Bldg 07 Planetarium Building	127	YES		YES 1967 Renovation 2015
SAC – Bldg 08 Library Building Facilities Master Plan - To be demolished in the future - <i>REMOVE FROM HIGH PRIORITY LIST/D. Taylor</i>	958	YES	YES	YES 1956
SAC – Bldg 09 Russell Hall Building Facilities Master Plan - <i>Remove from high priority list/D. Taylor</i>	1,293	YES	YES	YES 1967 Significant Structural Upgrade 2014
SAC – Bldg 10 Hammond Hall Building Facilities Master Plan - <i>Remove from high priority list/D. Taylor</i>	452	YES	YES	YES 1954
SAC – Bldg 11 Technical Arts Building	254	YES		YES 1970
SAC – Bldg 12 Exercise Science	227	YES		YES 1972 Retrofitted
SAC – Bldg 13 Gymnasium Building (Some upgrades in 2010. No future plans at this time)/D. Taylor	2,535	YES	YES	YES 1954
SAC – Bldg 14 Locker Building	136	YES		NO 2009 Rebuilt
SAC – Bldg 15 Fitness Center	84	YES		YES 1972
SAC – Bldg 16 Johnson Center Building/ U Building Johnson	727	YES	YES	Scheduled for demolition in 2016
SAC – Bldg 18 Auto Shop Building	159	YES		YES 1958 Retrofitted

SAC – Bldg 19 Maintenance & Publication	159	YES		YES 1950
SAC – Bldg 20 Campus Vehicles Bldg	10			YES 1950
SAC – Bldg 21 Welding/Maintenance	112	YES		YES 1958
SAC – Bldg 23 Classroom Building I	725	YES	YES	NO
SAC – Bldg 25 Maintenance & Storage	10			YES 1950
SAC – Bldg 26 Mechanical Pool Building	1			YES 1947
SAC – Bldg 28 Office/Storage	10			YES 1947
SAC – Bldg 32 Pool Equipment	1			YES 1947
SAC – Bldg 31 Middle School Bldg	480	YES		NO
SAC – Bldg 100 Child Development	126	YES		NO
SAC – Bldg 300 Child Development	96	YES		NO
SAC – Bldg 400 Child Development	96	YES		NO
CEC - Admin/Classroom Building A Wing	265	YES		NO
CEC - Classroom Building B Wing	200	YES		NO
CEC - Child Development Building C Win	223	YES		NO
CEC - Art Building D Wing	316	YES		NO
CEC - TV Studio/Classroom Building E W	189	YES		NO
CEC - Classroom Building F Wing	261	YES		NO
CEC – Portable Classroom	92	YES		NO
Digital Media Center	283	YES		NO
Orange Education Center	1,600	YES	YES	NO
SCC – Classroom Building B	529	YES		NO
SCC – Lecture Hall/Classroom Building	999	YES		NO
SCC – Admin/Office/Classroom Building	675	YES		NO
SCC – Library	661	YES		NO
SCC – Science Center	918	YES		NO
SCC - Physical Education Building	2,438	YES		NO
SCC – Humanities Building	1,560	YES		NO
OCSRT - Sheriff Administration/Training Academy	304	YES		NO

High Priority/Highlighted in Yellow

- Yes to non-zero injury, Yes to non-zero fatality, and Yes to moderate building codes

Moderate Priority/Highlighted in Green

- Yes to non-zero injury, Yes to non-zero fatality and No to Moderate Code as well as any with Yes and Moderate Code

Planned for future Demolition in the RSCCD Facilities Master Plan

Table 3: Buildings Predicted by HAZUS to Suffer Damage in 100 & 500-Year Floods

Building Name	Damaged in the 1% Annual Chance Flood¹	Damaged in the 0.2% Annual Chance Flood¹
District Office – Admin Building		<input checked="" type="checkbox"/>
SAC – Exercise Science - Building-W	<input checked="" type="checkbox"/>	
SAC – Baseball Office/Restroom Building		<input checked="" type="checkbox"/>
SAC - Classroom Building-I	<input checked="" type="checkbox"/>	
SAC - Weight Pavilion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAC - Mechanical Pool Building	<input checked="" type="checkbox"/>	
SAC - PE Offices – Building-F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAC - Storage Building (Old Soccer Scoreboard)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAC - Maintenance and Operation Buildings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAC - Pool Equipment Storage Building	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAC - Village Classroom Rm 301	<input checked="" type="checkbox"/>	
SAC - Village Classroom Rm 302	<input checked="" type="checkbox"/>	
SAC - Village Classroom Rm 303	<input checked="" type="checkbox"/>	
SAC - Village Classroom Rm 304	<input checked="" type="checkbox"/>	
SAC - Village Classroom Rm 305	<input checked="" type="checkbox"/>	
SAC - Village Classroom Rm 306	<input checked="" type="checkbox"/>	
CEC - Building A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Building B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Child Development Center Building C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Building D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Building E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Building F	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Portable Classroom D107 D106	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Portable Classroom D108	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Portable Classroom D109	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Portable Classroom 110	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Portable Classroom D111	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC - Portable Classroom D112	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC –Child Development Center C-110	<input checked="" type="checkbox"/>	
CEC - Child Development Center C-111	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CEC – F-115/F-1116	<input checked="" type="checkbox"/>	

MMI ENGINEERING

Notes: 1) The results presented here are the product of a default Hazus flood analysis conducted using best-available data; damage in an actual flood event will be different. The results of this Hazus analysis are intended to be used for relative-risk assessment and screening for further study. Lack of damage in the modeled events should not be taken to mean the facility will not experience some flood damage during its useful lifetime.

2) Some building names have been updated from the original insurance report, as of 9/17/2015

Table 4: 2016 Mitigation Action Items Tracking Form

This form will be used annually to document progress of the RSCCD Hazard Mitigation Plan.

Item #	Page	Coordinating Organization	Description	Priority	Cost Estimate	Annual Updates
Part A – Multi Hazard Strategies						
1	7	Assistant Vice Chancellor of Fiscal Services	Identify and pursue funding opportunities to develop and implement cost benefit analysis and mitigation activities	High #4	Staff Time	
2	8	Assistant Vice Chancellor of Fiscal Services	Create additional funding mechanisms for Hazard Mitigation	High #5	Staff Time	
3	9	Chief, District Safety & Security	Develop and conduct educational programs to educate staff, faculty, students and the public on the hazards and risk-reduction plans outlined in the Hazard Mitigation Plan	Medium #6	To Fund a District Emergency Services Coordinator \$40,000-\$80,000	
4	11	Chief, District Safety & Security	Strengthen emergency preparedness and response by linking emergency services with hazard mitigation programs	Medium #7	To Fund a District Emergency Services Coordinator \$40,000-\$80,000	
5	77	Chief, District Safety & Security and Risk Manager	Update the District Emergency Operations Plan and site emergency plans. Ensure plans are “all-hazards.” Include critical information and maps from the Hazard Mitigation Plan	High #1	\$30,000	
3	30	Chief, Safety & Security	Develop a “District Warning Plan” to improve monitoring and dissemination of all hazardous conditions. Develop a list of RSCCD key personnel who should receive the early warnings. (i.e., flood warnings, dam failure, Santa Ana wind warnings, etc.)	Extremely High #2	To Fund a District Emergency Services Coordinator \$40,000-\$80,000	
6	12	Chief, District Safety & Security	Develop and Conduct Life Saving and Disaster Management Educational Programs for RSCCD (CERT, NIMS, SEMS, ICS, EOC and Campus EOC)	High #3	To Fund a District Emergency Services Coordinator \$40,000-\$80,000	
7	13	Risk Manager	Conduct annual meeting reviews of the Hazard Mitigation Plan and document all progress, continually advancing the plan’s strategies.	High #8	Risk Manager	

Item #	Page	Coordinating Organization	Description	Priority	Cost Estimate	Annual Updates
Part B - Earthquake						
1	71	Facilities Managers and Director of District Construction	Identify and mitigate potentially vulnerable non-structural components and systems	Extremely High #3	\$21 million	
2	72	Director of District Construction	Conduct a structural engineering evaluation of RSCCD facilities to determine if they meet today's building codes and if structural retrofits are needed in older facilities.	Extremely High #1	\$5-7 million	
3	77	Chief, District Safety & Security	Increase earthquake risk awareness	Medium/High #5	To Fund a District Emergency Services Coordinator \$40,000-\$80,000	
4	79	Chief, District Safety & Security	Prepare to conduct post-earthquake inspections	High #4	To Fund a District Emergency Services Coordinator \$40,000-\$80,000	
5	80	Assistant Vice Chancellor of Facilities Planning	Seismically strengthen RSCCD facilities determined by the evaluation	Extremely High #2	Dependent on evaluation results	

Item #	Page	Coordinating Organization	Description	Priority	Cost Estimate	Annual Updates
Part C - Flood/Storm						
1	74	Facilities Managers and Director of District Construction	Identify and mitigate potentially vulnerable non-structural components and systems from flooding as well as conducting a structural engineering evaluation to determine if facilities meet today's flood building codes. (Phase 1)	Extremely High #1	\$7-8 million	
2	76	Chief, District Safety & Security	Increase flood risk awareness and education	Medium/High #3	To Fund a District Emergency Services Coordinator \$40,000 - \$80,000	
3	77	Vice Chancellor of Administrative Services and Facility Director	Conduct the flood-proofing measures to vulnerable facilities starting with critical facilities (Phase 2)	Extremely High #2	Dependent on evaluation results	
Part D - Dam Failure						
1	58	Chief, Safety & Security	The District needs up-to-date GIS Dam Failure Inundation maps for all dams that impact the District	Extremely High #1	Unknown	
2	59	Chief, Safety & Security	Consider writing Dam Failure Evacuation Plans for each dam that impacts the 7 RSCCD sites.	Extremely High #2	To Fund a District Emergency Services Coordinator \$40,000 - \$80,000	
3	60	Chief, District Safety & Security	Conduct a Dam Failure Education Campaign for Campus Facility Captains, EOC personnel and key management staff members at each site	Medium/High #4	To Fund a District Emergency Services Coordinator \$40,000 - \$80,000	
4	61	Chief, District Safety & Security	Participate in the County of Orange and the Army Corps of Engineers dam safety planning, trainings, and exercises for Prado Dam and other orange County dams.	High #3	Staff Time	

Item #	Page	Coordinating Organization	Description	Priority	Cost Estimate	Annual Updates
Part E – Drought/Climate Change						
1	28	Chief, Safety & Security and the Sustainable RSCCD Committee	Develop a comprehensive approach to mitigation the hazard “drought”	Medium /High #3	Staff Time	
2	29	Chief, Safety & Security and the Sustainable RSCCD Committee	Increase “Drought” risk awareness and education	Medium/ High #5	To Fund a District Emergency Services Coordinator \$40,000 - \$80,000	
3	31	Sustainable RSCCD Committee and Chief, District Safety & Security	Continue to develop a Drought Conservation Plan for the RSCCD	Medium/ High #4	Staff Time	
4	32	Director of District Construction	Retrofit Water Supply Systems	Medium/ High #2	\$3 – 4 million	
5	33	Director of District Construction	Enhance Landscaping and design measures to reduce water consumption	High #1	\$2 million	
Part F - Severe Weather/Santa Ana Winds						
1	23	VP Administrative Services	Facilities and maintenance personnel need to review and upgrade their annual Standard Maintenance Plan to include Santa Ana Wind mitigation activities	Medium	Staff Time	
2	24	VP Administrative Services	Develop a Santa Ana Wind Plan including a list of actions to be taken.	High	To Fund a District Emergency Services Coordinator \$40,000 - \$80,000	
3	25	VP Administrative Services	Develop an Emergency Power Failure project to supply generators to each RSCCD site to run its Emergency Operations Centers (EOC)	Extremely High		