

Part V - The Planning Process and Public Participation

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Part V - The Planning Process and Public Participation

A. STATE AND FEDERAL PLANNING PROCESS REQUIREMENTS

The Federal government requirements for approval of a Natural Hazard Mitigation Plan that discuss the planning process include:

- Open public involvement, with public meetings that introduce the process and project requirements
- The public must be afforded opportunities for involvement in identifying and assessing risk and public input into the mitigation strategies
- Campus and community cooperation, with opportunity for other local government agencies, the business community, educational institutions, and non-profits to participate in the process
- Incorporation of local documents, including Cities and County General Plans, Safety Elements, Zoning Ordinances, Building and Fire Codes, Hazard Mitigation Plans and other pertinent documents

The following components must be part of the planning process:

- Complete documentation of the planning process
- A detailed risk assessment on hazard exposures in the community
- A comprehensive mitigation strategy, which describes the goals and objectives, including proposed strategies, programs and actions that can be implemented to reduce or minimize long-term vulnerabilities
- A plan maintenance process, which describes the method and schedule of monitoring, evaluating and updating the Plan and integration of the Hazard Mitigation Plan into other planning mechanisms
- Formal adoption by the RSCCD Board of Trustees
- Plan review by both State of California Office of Emergency Services (OES) and the Federal Emergency Management Agency (FEMA)

B. GRANT APPLICATION PROCESS

In 2010, the RSCCD learned of the FEMA Hazard Mitigation Grant opportunity. The Risk Manager brought the grant opportunity to management's attention. Development of a Hazard Mitigation Plan had been a long-term goal of the RSCCD Emergency Management Program; however, the district did not have sufficient personnel, time or subject matter expertise to complete the project.

Through the participation in the Orange County Emergency Management Organization (OCEMO), the Risk Manager met with the Coast Community College District who had an approved plan to learn more about the development of a Natural Hazard Mitigation Plan. The Risk Manager documented the requirements as well as the personnel time and costs needed to complete the project. Armed with this information, the RSCCD decided that the limited personnel at the district would make it necessary to hire an additional part time employee to work with the district on the planning process and the development of the plan. This grant provided the funding to hire an employee allowing the district the opportunity to develop the plan. The information was presented to management and when the project was agreed upon, it was presented for final approval of the District Chancellor who in 2011 approved the grant application process.

The Risk Manager completed the Hazard Mitigation planning grant application in August 2012. The grant was approved by FEMA and funded at the end of 2014. A Plan Writer that met the district's requirements was hired in February 2015 by the RSCCD. The District hired Gloria Morrison, who had experience in developing Hazard Mitigation Plans for both Orange County cities (Huntington Beach, Fountain Valley and Mission Viejo) and school districts (Huntington Beach City School District, Huntington Beach Union High School District, Ocean View School District, Fountain Valley School District and Coast Community College District) and had worked as a professional Emergency Manager within Orange County for 31 years as the City of Huntington Beach Emergency Manager.

The Risk Manager worked with State OES personnel and the on-line grant system completing all reports and reimbursement forms. This was supported by the RSCCD finance personnel and the Plan Writer ensuring all RSCCD and State OES financial requirements were met.

This grant is an example of a successful partnership between the Federal government (FEMA), State government (OES), and a local government agency (RSCCD). RSCCD appreciates the financial, professional and technical support provided by the Federal and State governments. Without this partnership, development of the RSCCD Natural Hazard Mitigation Plan would have been impossible.

See Grant Award Face Sheet – Figure 1.

FIGURE 1 – GRANT AWARD FACE SHEET – STATE OES 2-101

(Cal EMA Use Only)

Cal EMA # 01 FIPS# 059-91093 CFDA# _____ Grant # DR-1810

CALIFORNIA EMERGENCY MANAGEMENT AGENCY GRANT AWARD FACE SHEET (Cal EMA 2-101)

The California Emergency Management Agency, hereafter designated Cal EMA, hereby makes a Grant Award of funds to the following:

1. **Grant Recipient:** Coast Community College District (CCCD)
in the amount and for the purpose and duration set forth in this Grant Award.

2. **Implementing Agency:** CCCD **2a. Congressional District:** 46

2b. **State Senate District#:** 35 **2c. State Assembly District#:** 68

2d. **Location of Project:** CCCD **2e. Congressional District(s):** 46

3. **Disaster/Program Title** DR-1810/Hazard Mitigation Grant Program **4. Performance Period** 08/26/2010 to 01/26/2013

Grant Year	Fund Source	A. State	B. Federal	C. Total	D. Cash Match	E. In-Kind Match	F. Total Match	G. Total Project Cost
2010	5. DR-1810		75,000				25,000	\$100,000
Select	6. Select							\$0
Select	7. Select							\$0
Select	8. Select							\$0
Select	9. Select							\$0
	10. TOTALS	\$0	\$75,000	\$75,000	\$0	\$0	\$25,000	100. Total Project Cost: \$100,000

11. This Grant Award consists of this title page, the application for the grant, which is attached and made a part hereof, and the Assurances/Certifications which are being submitted. I hereby certify I am vested with the authority to enter into this Grant Award Agreement, and have the approval of the City/County Financial Officer, City Manager, County Administrator, Governing Board Chair, or Approving Body. The Grant Recipient certifies that all funds received pursuant to this agreement will be spent exclusively on the purposes specified in the Grant Award. The Grant Recipient signifies acceptance of this Grant Award and agrees to administer the grant project in accordance with the Grant Award as well as all applicable state and federal laws, audit requirements, federal program guidelines, and Cal EMA policy and program guidance. The Grant Recipient further agrees that the allocation of funds may be contingent on the enactment of the State Budget.

12. Federal DUNS Number 0676-7770 13. Federal Employer ID Number _____

14. **Official Authorized to Sign for Applicant/Grant Recipient:**
Name: _____ Title: _____
Telephone: _____ (area code) FAX: _____ (area code) Email: _____
Payment Mailing Address: _____ City: _____ Zip + 4: _____
Signature _____ Date: _____

[FOR Cal EMA USE ONLY]

I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purposes of this expenditure stated above.

Cal EMA Fiscal Officer Date _____ Cal EMA Secretary(or designee) Date _____

Grant Award Face Sheet – Cal EMA 2-101 (Revised 01/11)

C. FORMATION OF A DISTRICT HAZARD MITIGATION TEAM

The Risk Manager was named the Project Manager by the District. The Project Manager and the Plan Writer set up a series of meetings for 2015 and 2016 to guide the planning process. The District Hazard Mitigation Planning Team (Team) members were selected based on their positions and expertise. The Team was made up of representatives from the seven sites that make up the RSCCD. Outside Team members were from the cities of Orange and Santa Ana, Orange County, State OES, and volunteers who represented the general public were selected. Two student representatives were invited to participate. Representatives from two Chamber of Commerce's were invited to participate. A schedule of meetings was set up for the Team beginning with a kickoff meeting for everyone involved scheduled for April 2, 2015 at the district office at 2323 North Broadway in Santa Ana.

The following is a list of RSCCD Hazard Mitigation Team Members. Some personnel changed and additions were made but the majority remained on the team from the kick off meeting through to the Community Forums.

TABLE 1 – RSCCD HAZARD MITIGATION PLANNING TEAM

Name	Title	Email	Phone	Priorities
District Office 2323 North Broadway Santa Ana 92706-1640				
Adam O'Connor	Assistant Vice Chancellor Fiscal Services	OConnor.Adam@rscod.edu	(714) 480-7320	Fiscal Support Planning
Darryl Taylor	Director of District Construction	Taylor.Darryl@rscod.edu	(714) 480-7513	Mitigation Strategies
Don Maus	Risk Manager	Maus.Don@rscod.edu	(714) 480-7330	Project Manager
Alistair Winter	Chief, District Safety & Security	Winter.Alistair@rscod.edu	(714) 480-7333	Hazard Assessments
Hank Dang	Associated Student Government	HankDang@gmail.com	(714) 926-0702	Hazard Assessments
Skylar Bertram	Student Representative	sp5577@aol.com	(714) 658-4044	Hazard Assessments
Janneth Linnell	Ex. Director Child Dev. Services	Linnell.Janneth@rscod.edu	(714) 480-7546	Mitigation Strategies
Gloria Morrison	Plan Writer	Morrison.Gloria@rscod.edu	(714) 955-2504	Plan Writer
Santa Ana Community College 1530 West 217 th Street Santa Ana 92706-3398				
Mike Colver	Lt., District Safety & Security	Colver.michael@sac.edu	(714) 564-8335	Hazard Assessments
Michael Collins	VP Administrative Services	Collins.michael@sac.edu		Fiscal Support Planning
Nilo Lipiz	Dean of Instruction Continuing Ed	Lipiz.Nilo@sac.edu		Mitigation Strategies
Mark Wheeler	Facilities Manager	Wheeler.Mark@sac.edu	(714) 241-5701	Mitigation Strategies
Ron Coopman	Assistant Dean, Criminal Justice Academies	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
Arleen Satele	VP Administrative Services	Satele.Arleen@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
Vinco Fregoso	City Planner	vfregoso@santa-ana.org	(714) 667-2706	Mitigation Strategies
Steve Rymer	Emergency Manager	srymer@santa-ana.org	(714) 647-5315	City Coordination
City of Orange Representatives 300 East Chapman Avenue in Orange, CA 92866				
Jennifer Amat	Sgt. Orange Police Dept./ Emergency Manager	JAmat@orangecd.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 Hovde, Primary Ray Cheung Vicki Osborn	OC Sheriff Department Emergency Mgmt. Bureau	Bryan Hovde bhovde@ocsd.org Ray Cheung rcheunn@ocsd.org Vicki Osborn vosborn@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	State OES Los Alamitos, CA 9 and Sac.	Jim.Acosta@CALOES.ca.gov	(562) 795-2939	State Coordination/ Grant Coordination
Victoria LaMar-Haas Sac, Tech Support		LaMar-Haas_Victoria@CalOES	(916) 845-8275 (916) 845-8269	
Andrew Rush, Sac Grant Coordinator			916.845.8158	
Ricardo Castillo, Sac New Grant Coordinator				
As of 10/22/2015 Linda Ortiz (916) 845-8152	New State Rep	Linda.Ortiz@caloes.ca.gov	916-845-8152	Grant Coordinator
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) 538-3581	Business Interests
Linda Morin	Coast Community College District	LMorin@mail.cccd.edu	(714) 475-9059 (714) 438-4753	Lessons Learned in Community College Hazard Mitigation Planning
Hope Seligson	MMI Engineering	HSeligson@MMIEngineering.com	Office (714) 465-1390 Cell (562) 688-6272	Hazard Maps HAZUS Building Damage Estimates

The Risk Manager was assigned as the Project Manager (from this point on will be called the Project Manager). A series of monthly meetings were scheduled to coordinate the team education, plan development and consensus building.

TABLE 2 – RSCCD HAZARD MITIGATION TEAM MEETING SCHEDULE

HAZARD MITIGATION PLAN SCHEDULE					10/13/2015 Update																																																																																																																																																																									
2323 North Broadway Santa Ana 92706-1640																																																																																																																																																																														
PROJECT/EVENT	HAZARD MITIGATION PLAN																																																																																																																																																																													
ORGANIZER	DON MAUS/GLORRIA MORRISON																																																																																																																																																																													
<small>The RSCCD has received a grant from the State Office of Emergency Services to develop a Hazard Mitigation Plan. The Planning Team will conduct a risk assessment of hazards that may impact the district and identify mitigation strategies. Meeting Information: SECOND THURSDAY OF EACH MONTH 1:30 -3 PM AT THE DISTRICT OFFICE</small>																																																																																																																																																																														
MILESTONES	DESCRIPTION	DISTRIBUTION DATE	MEETING DATE	MEETING LOCATION																																																																																																																																																																										
2323 NORTH BROADWAY																																																																																																																																																																														
MILESTONE 1	FORM TEAM/INTRO & PROFILE	4.14.2015	4.2.2015	Third Floor, Room #340																																																																																																																																																																										
MILESTONE 2	RISK ASSESMT & MULTI-HAZARD	6.4.2015	6.11.2015	Third Floor, Room #340																																																																																																																																																																										
MILESTONE 3	EARTHQUAKE	8.6.2015	8.13.2015	Board Room, First Floor, #107																																																																																																																																																																										
MILESTONE 4	FLOOD/STORM & DAM FAILURE	10.1.2015	10.8.2015	Board Room, First Floor, #107																																																																																																																																																																										
MILESTONE 5	WINDSTORM & DROUGHT	12.3.2015	12.10.2015	Third Floor, Room 340																																																																																																																																																																										
MILESTONE 6	PROCESS & MAINTENANCE	2.4.2016	2.11.2016	Board Room, First Floor, #107																																																																																																																																																																										
MILESTONE 7	COMMUNITY FORUMS	DISTRICT OFFICE	APRIL 2016	Board Room, First Floor, #107																																																																																																																																																																										
MARCH 2015		APRIL 2015		MAY 2015																																																																																																																																																																										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																																																																																																																														
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SEPTEMBER 2015		OCTOBER 2015		NOVEMBER 2015		DECEMBER 2015		JANUARY 2016		FEBRUARY 2016																																																																																																																																																																				
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S																																																																																																																														
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In addition to the meetings being held every other month, the Project Manager and the Plan Writer communicated daily. The Plan Writer worked in the Risk Management Office. Email was used to transfer completed sections of the plan. The Project Manager reviewed, changed and approved all sections of the plan; the Risk Management Office Administrative Clerk edited the plan; and then the sections were disseminated to the Team members for their comments. Special meetings were held as needed with Facilities, Maintenance and Operations, Security, City and County (Emergency Management, Planning, Police, Fire, City Planners and City Engineers), County, Water District, etc. as needed.

D. CAPABILITY ASSESSMENT PROCESS

What resources does the RSCCD have in place to develop a Natural Hazard Mitigation Plan? What reports, lists and studies can help us learn more about the threat to the district and what mitigation strategies were already in place? A lot of questions had to be answered before and at the Kick-Off Meeting.

Before even starting the Hazard Mitigation Plan, the Project Manager and the Plan Writer met to discuss the issues. Research was conducted to determine if any bonds had been passed to mitigate any hazards. What funding sources were being used to upgrade buildings? What insurance documents were available? The Project Manager managed the Risk Management Office and had insurance information listing each site's replacement value and content values. Community College Districts do not have General Plans or Master Plans. So all the information discussed in the meeting was requested from other RSCCD employees/Hazard Mitigation Planning Team Members.

A Capability Assessment was completed at the Kick-off Meeting to determine what expertise existed in the district and what documents should be reviewed. See the RSCCD Capability Assessment, section I. Introduction, Table 3, page 21.

Notably missing from a community college district that cities have is a City Engineer, engineering staff, and GIS capability. The district has a Director of District Construction that was made part of the team to assist in the process.

HUMAN RESOURCE CAPABILITIES

The two key participants (Project Manager and Plan Writer) discussed what type of person would we want on the planning team? What types of specialties, experience, knowledge, education, interest and availability would be required? It was agreed that representatives from Safety & Security, Administrative Services and Facilities Managers for each of the seven sites would be invaluable. The Maintenance & Operations Directors would be important to have on the Team. Since the Team would be asked how to fund each recommended mitigation strategy, the Finance Managers would be included. The City and County Emergency Managers would need to answer questions from time to time and their input into the plan would be useful. We would like them to share their plans with the RSCCD. A City planner, police and fire rep from the two key cities were invited to participate. The District also needed the public represented. Who would volunteer from the public to provide input for the plan? The Team agreed on several volunteers that were invited to participate. The District wanted the business community represented so each of the Presidents of the Chamber of Commerce from the two cities with most of the facilities were invited to participate. So, all of these individuals were invited to participate on the Team and subsequently invited to the Kick-off meeting.

TECHNICAL RESOURCES

Many of the technical resources came from the County and the Cities. The Plan Writer communicated with the County and City Emergency Managers, City Planners, Police Reps and Fire Reps and asked for their assistance in completing the plan. As a past Emergency Manager in Orange County the Plan Writer knew many of these individuals personally and received full cooperation. Everyone agreed to provide documents and their expertise. Of course the Internet

was invaluable. Dozens of government and private Internet sites were accessed as well as newspaper articles, technical documents, city General Plans, Safety Elements, maps, photos, historical documents, old insurance files, etc.

TABLE 3 - RSCCD CAPABILITY ASSESSMENT

District Departments	Policy or Plan	Ability to Support Mitigation
1. Risk Management	Hazard Mitigation Project Lead	<ul style="list-style-type: none"> ▪ Tracks and maintains hazard mitigation plan ▪ Manages the districts insurance program ▪ Access to placing information on the website to ensure public participation ▪ Liaison to the two students on the committee ▪ Local champion for Hazard Mitigation education
2. District Safety and Security	Emergency Plan	<ul style="list-style-type: none"> ▪ Provides disaster preparedness education to employees ▪ Develops the Districts Emergency Plans ▪ Liaison's with all Orange County cities, the county, Cal OES, and FEMA for preparedness, response and recovery ▪ Local champion for emergency preparedness
3. Director of District Construction	New Construction	<ul style="list-style-type: none"> ▪ Manages new buildings and construction ▪ Works with bond issues ▪ Local champion for mitigation in new construction
4. Facilities Department	Facilities	<ul style="list-style-type: none"> ▪ Manages all aspects of facilities planning and maintenance ▪ Manages some construction projects ▪ Works with Bond issues ▪ Local champion for mitigation in upgrading older facilities
5. MSI Engineering	Mapping	<ul style="list-style-type: none"> ▪ Updates and maintains the maps for this plan ▪ Runs HAZUS Advanced Engineering Building Model software for risk assessment and vulnerability assessment
6. Orange County Fire Authority (OCFA) & Orange City Fire Department	Fire Codes	<ul style="list-style-type: none"> ▪ Fire protection ▪ Rescue, Emergency medical and Hazardous materials control ▪ Fire ISO Rating ▪ Fire prevention and safety education ▪ Local champion for fire mitigation and prevention
7. Santa Ana and Orange PDs	Law Enforcement	Emergency response and preparedness; crime prevention
8. City/County Planner	Land use, Bldg., Codes, Flood	NFIP, CRS, Floodplain Ordinance, Building Codes, Storm Water

GIS MAPPING CAPABILITIES

It was determined that the district had layout maps of the large district sites. They were useful. But they did not have a GIS mapper or this capability. It was decided that an Engineering company would be needed for maps and Hazus studies.

HAZUS

Orange County completed a Hazus study in 2009 and the RSCCD was a participant in the school study. The study was requested from the County. It was utilized in this document. However, the data was, at this point 6 years old so the District hired MMI Engineering to conduct a new RSCCD Hazus study for Earthquake and Flood. No Hazus data is available at this time for other hazards.

MEETING SITES AND AUDIO VISUAL EQUIPMENT

The District Office hosted all the meetings. The Risk Management Administrative Clerk booked the Board Room and conference rooms with audio visual equipment.

HAZARD MITIGATION TEAM LIAISON

The Team agreed that the Plan Writer would liaison with the representatives from outside the RSCCD and the Project Manager would liaison with the internal District Team members and students who volunteered to participate. This worked well since the Project Manager knew the district employees and the Plan Writer knew many of the City and County representatives as well as the American Red Cross Representative.

Most of the County, City and District personnel attended the Kick-Off Meeting and the every other month formal planning meetings and were available to the RSCCD for consultation throughout the planning process.

E. HAZARD MITIGATION TEAM PLANNING MEETINGS

Invitations were developed and distributed to all potential Team members. A Team meeting schedule was agreed upon.

Rooms were booked at the district site for all meetings scheduled throughout 2015 and through April 2016. Participants were asked to identify other individuals within and outside the RSCCD who they recommended to participate on the Team. These individuals would be sent invitations to join the Team.

F. TEAM INVITATIONS

FIGURE 2: INVITATION LETTER SENT TO THE TEAM MEMBERS LISTED IN TABLE 1

To Whom It May Concern:

You are invited to participate in a Hazard Mitigation Planning Team.

Rancho Santiago Community College District (RSCCD) will be forming a Hazard Mitigation Team. The district has been awarded a Federal Emergency Management Agency (FEMA)/State Office of Emergency Services (OES) grant to complete a Hazard Mitigation study and plan. A Hazard Mitigation Plan needs to include participation from key District employees, cities where the colleges are located, Orange County and State officials, local stakeholders, students and the public.

KICKOFF MEETING SPECIFICS

Date: April 2, 2015

Time: 1:30 – 3 PM

Location: Rancho Santiago Community College District Office
2323 North Broadway Santa Ana, CA 92706
Third Floor Conference Room, Room #340

WHAT IS A HAZARD MITIGATION PLAN?

The Disaster Mitigation Act 2000 (44 Code of Federal Regulations 201.6) was passed to reduce risk of death, injuries, and property damage as the result of disasters. This is to reduce or eliminate long term risks from natural disasters. The Federal Emergency Management Agency (FEMA) four phases of a disaster are (1) mitigation/prevention, (2) preparedness, (3) response and (4) recovery. In the past, FEMA's emphasis has been on response and recovery from disasters and costs of disasters nation-wide have continued to escalate year after year. FEMA studies prove that for every dollar spent on a mitigation (lessening the impact of a disaster) and prevention saves \$6 in response and recovery costs. We as a nation need to mitigate our hazards prior to emergencies therefore reducing death, injuries, and property damage, as well as response and cleanup costs. FEMA has allocated billions of dollars to assist public agencies to prepare Hazard Mitigation Plans and once the plan is complete and board approved, FEMA will support 75% of the cost of approved mitigation projects that will make the district office, colleges and satellite sites safer during disasters.

The DMA 2000 requires every State, County, and local government agency (City, Special District and School District) that want to be eligible for FEMA Hazard Mitigation project grants (pre-disaster and post-disaster grants), must first develop a Hazard Mitigation Plan. The plan must be developed under strict criteria and approved by the State OES and FEMA.

Please join us for our kick off meeting on April 2, 2015 at the district office at 2323 North Broadway in Santa Ana. ***All members of the public are welcome to attend and participate in this planning process.***

HAZARD MITIGATION PLAN

The Disaster Mitigation Act 2000 (44 Code of Federal Regulations 201.6) was passed to reduce risk of death, injuries, and property damage as the result of disasters. This is to reduce or eliminate long term risks from disasters. The FEMA four phases of a disaster are mitigation/prevention, preparedness, response and recovery. In the past, FEMA's emphasis has been on response and recovery from disasters and costs of disasters have continued to escalate year after year. FEMA studies prove that for every dollar spent on a mitigation project saves \$6 in response and recovery costs. We as a nation need to mitigate our hazards prior to emergencies therefore reducing death, injuries, and property damage, as well as response and cleanup costs. FEMA allocated \$1.06 billion for California in 2009 for plans and projects and that amount changes yearly.

The DMA 2000 requires every State, County, and local government agency (City, Special District and School District) that want to be eligible for FEMA Hazard Mitigation project grants (pre-disaster and post-disaster grants), must first develop a Hazard Mitigation Plan. The plan must be developed under strict criteria and approved by FEMA.

PURPOSE OF THE PLAN

As the costs of damage from natural disasters continue to increase, the Federal and State governments and communities all around the U.S. have come to realize the importance of identifying effective ways to reduce their vulnerability to disasters. Local hazard mitigation plans assist communities in reducing their risk by identifying hazards and strategies for risk reduction. The plan will study the natural hazards that may impact the RSCCD and determine a set of actions that when implemented, can help reduce the risks.

EXAMPLES OF MITIGATION PROJECTS:

- Had New Orleans rebuilt their levees prior to Hurricane Katrina, the US would have saved hundreds of billions of tax dollars
- The County of Orange, Orange County Cities along the Santa Ana River, the State of California and FEMA mitigated the Santa Ana River (Main Stem Project) working together for a decade and now Orange County has considerably less flooding from the Santa Ana River
- Huntington Beach City received \$4 million to complete a seismic retrofit of their city hall
- Huntington Beach City School District and the Huntington Beach Union High School District received over a hundred thousand dollars each to complete the Non-Structural Hazard Mitigation Project to secure items at their schools and district sites

HAZARD MITIGATION PLAN OUTLINE

- Introduction – Describes the background and purpose of the plan
 - District Profile – Presents the history, geography, demographics and socioeconomics of the district
 - Hazard Identification, Vulnerability Assessment and Mitigation Strategies – Summarizes the research on the identified hazards, the RSCCD vulnerability of their facilities and lists mitigation strategies to prevent or mitigate the hazards
 - Planning Process and Public Participation – The plan development process and public participating in developing the plan is documented in this section
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- Plan Maintenance – Establishes procedures for Plan implementation, monitoring and evaluation
- Plan Adoption – Once State OES and FEMA review and approve the plan, the RSCCD Board of Trustees will review and adopt the plan

TEAM AND PUBLIC PARTICIPATION REQUIREMENTS

The Team includes representatives from the district, the colleges, other RSCCD sites, cities, county, Chamber of Commerce, volunteer/non-profits, students and the public. They will meet six times to develop the plan and present the plan to the public at a RSCCD Community Forum. Other individual meetings with the Plan Writer were scheduled throughout the planning process as needed. Each member of the Team will review sections of the plan prior to the next planning meeting. For example, meeting were held with the Director of District Construction throughout the 16 months to discuss strategies, Bond measures, future facility plans and priorities. ***The Team voted on such things as: list of natural hazards, mitigation strategies, mitigation priorities, how to best to involve the public in the plan, etc. Every team member was asked to invite guests/the public to the meetings.*** Each member was asked to provide information on the district owned facilities, budgeting and facility funding processes, future facility planning, insurance data, etc.

The Team met on the following dates (second Thursday of every other month) at the RSCCD offices on seven occasions. The Project Manager ran the meetings and the Plan Writer presented the plan and updates. The Engineering Company was present to answer any technical questions

G. KICK-OFF MEETING

The *Initial Hazard Mitigation Kick-Off Meeting* was held on April 2, 2015 at 1:30 PM at the District Office. The meeting was opened with self-introductions followed by a Power Point presentation which discussed the plan purpose, overview of the Disaster Mitigation Act of 2000, grant requirements, information about the FEMA Crosswalk and an overview of the proposed planning process. The plans goals were discussed and a Capability Assessment was completed. ***All team members were asked to invite guests/the public to the open meetings. The Plan Writer informed the group as to the importance of public participation in the planning process.***

The Plan Writer presented a brief history of Orange County's proclaimed disasters and discussed which of these incidents impacted the RSCCD service area. A methodical presentation was used by the Plan Writer on the natural hazards that could impact the RSCCD service area. The engineering company hired to assist with the plan (MMI Engineering) was introduced and they discussed what their role was in the planning process and what Hazus is.

TABLE 4 - HAZARDS CONSIDERED FOR THE RSCCD HAZARD MITIGATION PLAN

The following is a list of hazards considered for the RSCCD Hazard Mitigation Plan:

Hazard	Natural or Human-Caused	Preliminary Disposition	To Be Researched for This Plan
Agricultural Pests	Natural	Not Applicable. The RSCCD does not have any agriculture industry and would not warrant consideration of agricultural pest strategies.	No
Avalanche	Natural	Not Applicable. Avalanches are not possible given the location and geographical features of the RSCCD.	No
Coastal Erosion	Natural	Not Applicable. There is only one coastal site and the Team determined that the site is not capable of nor does it have the threat of coastal erosion.	No
Coastal Storm	Natural	Yes - The Team agreed to add the concern for coastal storm with the flood hazard profile.	Yes - Combine with Flood/Storm
Dam Failure	Natural	Yes - The Team agreed this hazard warranted mitigation strategies. It was acknowledged that there was one incident of seepage, but the dam has been raised and holds more water. (Good news/bad news)	Yes
Earthquake	Natural	Yes – The Team agreed that in addition to the earthquake hazard, mitigation strategies for fires that occur as a result of earthquakes are needed. Earthquakes are especially dangerous to the RSCCD area and facilities due to the possibility of liquefaction.	Yes
Epidemic/Pandemic	Natural	The Team agreed this concern is addressed adequately through the Orange County’s public health efforts.	No
Extreme Heat	Natural	Not Applicable. Extreme heat is not a concern given the location and geographical features of coastal OC.	No
Flood	Natural	The Team agreed to research flood in combination with storms and consider this hazard for mitigation strategies	Yes - Combine with Flood/Storm

Hazard	Natural or Human-Caused	Preliminary Disposition	To Be Researched for This Plan
Hurricane	Natural	Not Applicable. Hurricanes are not a concern given the location and geographical features of the RSCCD.	No
Land Subsidence	Natural	Not Applicable. The Team agreed that land subsidence is not a concern given the location and geographical features of the RSCCD area.	No
Landslide and Mudslide	Natural	Not Applicable. The Team agreed that landslides and mudflow are not a concern given the location and geographical features of the RSCCD area.	No
Santa Ana Winds	Natural	Yes – The Team was informed of the incidents that have occurred in Orange County and want this hazard studied.	Yes – Combine with Severe Weather/ Windstorm
Severe Winter Storms	Natural	Severe Winter Storms are not a concern given the location and geographical features of the RSCCD.	Yes - Combine with Flood/Storm
Terrorism	Human-Caused Review in 2016	Not a natural hazard. Add human-caused disasters in the first update of the plan scheduled for 2016.	No
Tornado	Natural	The Team acknowledged past incidents of high winds but they rarely reached tornado wind speeds (per the National Weather Service). The Team agreed to combine tornados with Windstorms and Waterspouts.	Yes – Combine with Windstorm
Tsunami	Natural	The Team agreed to consider this hazard for mitigation strategies. The District has two Newport Beach sites that may or may not be impacted.	Yes
Urban Fire	Natural or Human-Caused	Yes – The Team wanted this hazard researched and mitigation strategies developed.	Yes – Combine all Fire types
Volcano	Natural	Not Applicable. Volcano eruptions are not a concern given the location and geographical features of the RSCCD.	No

Hazard	Natural or Human-Caused	Preliminary Disposition	To Be Researched for This Plan
Waterspouts	Natural	The Team agreed to consider this hazard for mitigation strategies. It will be combined with tornados and Santa Ana Winds into a category called Windstorms	Yes – Combine with Windstorm
Wildland Fire	Natural	Not applicable – The Team agreed that wildland fires are not a concern given the location and geographical features of the RSCCD.	No
Wildland/Urban Interface	Natural	Yes – The Team wanted this hazard researched and mitigation strategies developed if any of the sites were threatened. This will be combined with Urban Fire.	Yes – Combine all Fire
Windstorm	Natural	Yes – Windstorm will consist of tornado, Santa Ana Winds, and Waterspouts which are all rare but possible.	Yes

The Project Manager and the Plan Writer facilitated an in depth discussion with the team on which hazards would be included in the plan. The Team was certain that flood/storm, earthquake and dam failure should be included. The discussions came about when the entire Team agreed that tornado-like events hit Orange County. High winds including Santa Ana Winds caused the exact same type of threat and damage. The only difference was the warning systems. However, in Orange County both hazard warnings were received through the same County system. Waterspouts also came in off the ocean to the coastal areas and became tornado-like. The National Weather Service often reminded Orange County Emergency Managers that the tornado-like events did not reach the National Weather Service definition of a tornado. The Team agreed to combine these wind-related hazards into “Windstorms”.

After considerable dialogue, the Team agreed unanimously that the following five natural hazards should be included in the MMI Engineering *preliminary* study:

1. Flood/Storm
2. Earthquake
3. Fire
4. Dam Failure
5. Windstorms (Tornados, High Wind, Santa Ana Winds and Waterspouts)

Once the hazards were identified, discussed and agreed upon, a schedule was set up and the research began.

The Project Manager worked with the district staff to compile lists of the district facilities, addresses, photos, and to get insurance information on the RSCCD facilities. The Plan Writer also needed to know which facilities were owned and which were leased by the RSCCD.

An engineering company was contracted to conduct a study using Hazus and other data. After the MMI Engineering hazard summary data was received, the Team discussed the need to study *Fire*. No RSCCD facilities were in the Fire Severity Zone. One facility was close. In fact, the American Red Cross Orange County Chapter has requested the district provide this site as a shelter during wildfire incidents because it was *outside* the Fire Severity Zone. At the August 13, 2015 meeting the Fire Severity Maps were provided to the Team. As the Team studied the maps, it was agreed that *Fire* would not need to be included in the plan. However, the Team unanimously agreed that since we were in a four-year drought that the plan should include a section on *Drought*.

California passed SB 379 in February 2015. This bill would according to State OES, upon the next revision of a local hazard mitigation plan on or after January 1, 2017, or, if the local jurisdiction has not adopted a local hazard mitigation plan, beginning on or before January 1, 2022, require the safety element to be reviewed and updated as necessary to address climate adaptation and resiliency strategies applicable to that city or county. The bill would require the update to include a set of goals, policies, and objectives based on a vulnerability assessment, identifying the risks that climate change poses to the local jurisdiction and the geographic areas at risk from climate change impacts, and specified information from federal, state, regional, and local agencies.

This plan combined Drought and Climate Change into one section. There should be more data available by 2021 which will help RSCCD improve on this section and hopefully, FEMA will provide additional data through Hazus. RSCCD is in a coastal county but has no coastal facilities and the lowest elevation of its facilities is 57 feet above sea level. That facility, the Orange County Sheriff's Regional Training Academy, is located in the inland City of Tustin so sea change will not impact any RSCCD sites but drought will.

H. THE TEAM'S ROLE

The Hazard Mitigation Planning Team convened every other month to guide the development of the Hazard Mitigation Plan. The Plan Writer provided drafts of the sections of the plan one week prior to each meeting for the Team members to review. A Power Point was presented at each meeting to educate the Team on the risk and the vulnerability of the RSCCD sites. The Plan Writer recommended mitigation strategies and the Team discussed each strategy and made additional recommendations. The strategies were prioritized for each hazard. The Team members were given their assignment on what information was needed for the plans development. The comments of the Team were incorporated into the plan and the final plans were presented to the Team for approval.

The Team learned to work together in an effective manner. A consensus was reached on many different topics including strategies and priorities. When prioritizing the strategies, the list of Critical Facilities was used to ensure that these facilities became priorities. The group reviewed

the strategies provided by the Plan Writer and Project Manager, added their own ideas, and then came to a consensus on the priorities. There were no disagreements on priorities. Everyone had input and then the group came to a consensus.

All meetings were advertised on the website prior to the meetings. The public was invited to and encouraged to attend every single meeting. The meetings were open to public comments and full public participation. Student representatives participated in each meeting.

I. THE TEAM'S ROLE IN PRIORITIZING THE MITIGATION STRATEGIES

The Plan Writer and Project Manager provided drafts of the plan sections at least one week prior to each meeting for the Team members via email. They included the Plan Writer and Project Manager recommended mitigation strategies. This gave Team members time to research and add their own strategies which they brought to the meetings to discuss. A Power Point was presented at each meeting on the risk assessment and vulnerability of each RSCCD site to educate the Team. Maps and Hazus data was presented. The MMI Engineering attended the meetings. Many of the strategies were recommended by the Facilities and site Directors of Maintenance & Operations. Then all strategies were prioritized by the Team for each hazard. This was done with discussion and recommendations by members (particularly Directors of Maintenance & Operations). On each of the hazards the priorities were discussed intensely which included everyone in attendances. The issues that were discussed included:

- How many people will benefit from the action?
- How many sites were impacted?
- Are the sites designated as RSCCD Critical Facilities?

The Team was provided the **List of Critical Facilities** which was previously agreed upon and listed in the Risk Analysis Section. The **List of Facilities** from the District Profile section, which included the site populations, was also provided to the Team. These lists along with the maps from the risk assessment and vulnerability assessments were all utilized to help set the mitigation strategy priorities. In each of these meetings the Team came to a consensus on the priorities. During the initial Hazard Mitigation meetings, the Team members were educated on mitigation strategies.

Each Maintenance & Operations Director agreed to review existing campus projects to see if any correlated cost estimates from existing reports and projects could be located for the list of strategies. Once the projects were reviewed, it was found that no cost estimates were available at this time for any projects listed. The Director of District Construction took the lead on determining project costs. In the future, more detailed cost estimates will be developed and a cost-benefit analysis will be conducted for key projects. The Team agreed this could *not* be done, at this time, as part of the Hazard Mitigation planning process due to staff time and budget constraints.

FEMA requires local governments to analyze the benefits and costs of a range of mitigation actions that can reduce the effects of each hazard. Cost-benefit analysis is used in hazard mitigation to show if the benefits to life and property protected through mitigation efforts exceed the cost of the mitigation activity. Conducting cost-benefit analysis for a mitigation activity can assist the district in determining whether a project is worth undertaking now, in order to avoid

disaster related damages later. The analysis is based on calculating the frequency and severity of a hazard, avoided future damages, and risk.

A hazard mitigation plan must demonstrate that a process was employed that emphasized a review of benefits and costs when prioritizing the mitigation actions. The cost-benefit review must be comprehensive to the extent that it can evaluate the monetary as well as the non-monetary benefits and costs associated with each action. This planning Team agreed the District did not have the personnel available to do this at this time. If the District waited until a cost benefit analysis was done on each project or even major projects, the plan would never get completed.

Developing this Hazard Mitigation Plan was the first introduction for RSCCD employees to the concepts of mitigation. Since the concepts are new, the district believed it needed the five years before the plan update to work through strategy costs and cost-benefit analysts. That will be one of the priorities of the plan and a Multi-Hazard Strategy was added to do this plan, Multi-Hazard Strategy #1. The RSCCD will have to decide if someone will have to be hired to do this or can it be done internally.

Pending State funding for educational entities during fiscal years 2015-2017, the District will begin their cost estimates on the listed strategies.

On January 7, 2016, the Project Manager, Plan Writer, Chief of Safety and Security, and Director of District Construction met to develop cost estimates for each project. The FEMA Local Mitigation Planning Handbook dated March 2013 was distributed and the process agreed on. At that meeting the sub-Team added the following criteria to each strategy:

- Cost Estimate
- Benefits: Losses Avoided
- Priority

The Director of District Construction took the lead on cost estimates. The four Team members worked together on Benefits: Losses Avoided and Priority. The FEMA Local Mitigation Planning Handbook was used along with Worksheet 6.1.

The Districts Sub-Team ranked each action item by priority (low, medium, medium/high, or high) using the FEMA Worksheet 6.1, Mitigation Action Evaluation Worksheet. (STAPLE/E system). The system includes the following issues:

Life safety - How effectively will the action protect lives and prevent injuries?

Property protection - How significant will the action be at eliminating or reducing damage to structures and infrastructure?

Technical - Is the mitigation action technically feasible? Is it a long-term solution? Eliminate actions that, from a technical standpoint, will not meet the goals.

Political - Does the public support the mitigation action? Is there the political will to support the action item?

Legal - Does the community have the authority to implement the action?

Environmental - What are the potential environmental impacts of the action? Will it comply with environmental regulations?

Social - Will the proposed action adversely affect one segment of the population? Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people?

Administrative - Does the community have the personnel and administrative capabilities to implement the action and maintain it, or will outside help be necessary?

Local champion - Is there a strong advocate for the action or project among local departments and agencies who will support the action's implementation?

Other community objectives - Does the action advance other community objectives, such as capital improvements, economic development, environmental quality, or open space preservation? Does it support the policies of the comprehensive plan?

Rankings Using STAPLE/E:

Ranking	Points
Low	1 - 3 points (all low priority strategies were removed from the plan)
Medium	4 - 5 points
Medium/High	6 - 7 points
High	8 - 9 points

The Team worked together and came to a consensus on prioritizing the action item priorities. These updates are located in each mitigation action item table.

J. EXISTING AUTHORITIES, POLICIES AND PROGRAMS

The RSCCD gets its building and facility authorities from the following:

State of California
Department of General Services
Division of the State Architect

The Division of the State Architect (DSA) provides design and construction oversight for K–12 schools, community colleges, and various other state-owned and leased facilities. The Division also develops accessibility, structural safety, fire and life safety, and historical building codes and standards utilized in various public and private buildings throughout the State of California.

The following entity governs the RSCCD and makes all local decisions on buildings and facilities as well as setting all RSCCD policies and approval of programs:

Rancho Santiago Community College District
Board of Trustees

Education Code Sections 72023, 72103, 72104 govern the Rancho Community College District Board of Trustees which shall consist of five members elected by the qualified voters of the District. Members shall be elected at large as outlined in Board Policy. These five individuals are the local legal governing body of Rancho Santiago Community College District and therefore approve all policies and direction of programs.

RSCCD can expand on and improve their existing policies and programs by:

- Again participating in the County of Orange HAZUS study during its next update
- Working at the State level with the Fusion Team, expand Fusion to include disaster replacement cost estimates
- Consider future project funding through local Bond Measures. Review existing Bond Measures to determine if any of this funding can be utilized for the listed mitigation strategies

TABLE 5 – OVERVIEW OF TEAM MEETINGS AND THE PLANNING PROCESS

Planning Meetings	Date	Meeting Topics
Kick-off Meeting Planning Meeting #1 04/02/2015 1:30-3:30 PM District Office		<p>Hazard Mitigation Kick-off Meeting - Introduction and District Profile This was the initial planning meeting with all Team members including: District, District/Student volunteers, Cities, County, State, non-profit organizations, business representatives and the general public. The meeting was advertised by the RSCCD Director of Public Affairs & Publications and placed on the District’s website. The public was invited.</p> <p>Each of the District owned properties were reviewed. It was determined that the Regional Fire Training Center, Site 6, that the land was not owned by RSCCD; the lease was being terminated in May of 2015; and the district was selling the portables on the site. So this site would not be included in the study. An overview was given of the plan’s goals, the grant, the planning process, a capability assessment was conducted, the Disaster Mitigation Act 2000 was reviewed and the recommended schedule of meetings was agreed upon.</p> <p>The Team was educated on what hazard mitigation was and its benefits. This educational process was conducted throughout the entire planning process at every meeting since Hazard Mitigation is a new concept to community colleges. The Team was asked if other district personnel or organizations should be included on the Team to insure all stakeholders were included in the process. The Team discussed how to get the public more involved in the planning process and everyone agreed that the District’s Website reached tens of thousands of students, faculty, staff and the general public. Team members also agreed that they would spread the word and invite others to the meetings through meetings, classes and professional organizations.</p> <p>The first order of business was to determine which hazards could impact the District which would be studied for the plan. The Plan Writer gave a short presentation on Orange County disaster history. A list of known Orange County hazards was presented. The Team voted on the natural hazards they believed posed the greatest threat. The bulk of the meeting was spent on this subject. A long discussion was held on natural vs. human caused hazards. The team was informed that the human caused hazards would be studied in the future.</p> <p>Assignments were made to Team members asking for lists of district sites and facilities, facility plans, bond measures, funding sources as well as insurance information for the Plan Writer. At each meeting a list of information needed for the plan was assigned to Team members.</p> <p>A discussion was held on the District’s capabilities to develop a plan. Developing a plan for a community college district is different from a City which has many additional resources that a college district does not have. A Capability Assessment was conducted and everyone participated and offered whatever resources they had. The Team agreed this project is invaluable and everyone and agreed to provide full cooperation to the project. Everyone agreed the District has the oldest college in Orange County and will benefit greatly from this project.</p> <p>Because of the limited resources of the community college regarding GIS mapping and</p>

	<p>engineering staff, MMI Engineering was hired to supplement those areas of expertise. Representative Hope Seligson was introduced at the meeting. She gave an overview of what Hazus is and what information and maps the Team could expect from the engineering company. The Plan Introduction and District Profile were presented and changes were made.</p>
<p>Planning Meeting #2 06/11/2015 1:30–3:30 PM District Office</p>	<p>III. Risk Assessment IV-A. Multi-Hazard Strategies</p> <p>The Project Manager and Team recommended the following goals which the Team approved:</p> <p>2016 – Develop the Initial Natural Hazard Mitigation Plan and provide education on hazard mitigation to the Team 2021 – Develop a Natural & Human-Caused HM Plan which later the team agreed would also include a Climate Change/Climate Adaption section. Also in 2021 plan, attempt to get improved GIS maps for hazards not covered by Hazus. A request was made to Orange County for any GIS maps for hazards not covered by Hazus.</p> <p>The Plan Writer presented Risk Assessment and Multi-Hazard Strategies. Additional education on Hazard Mitigation was conducted.</p> <p>A Power Point with MMI Engineering Hazards Summary was presented to the Team along with impact maps and a discussion was held on the hazard “Fire”. None of the RSCCD sites are located in the Fire Hazard Severity Zone. The Team replaced the hazard “Fire” with “Drought” since California was in the fourth year of a drought and in a Drought “State of Emergency.”</p> <p>The Project Manager explained the plan review process. Each Team member is to review every section of the plan and send their recommended changes to the Project Manager. The Project Manager will review the recommended changes, additions, corrections, etc. for accuracy and send the appropriate changes to the Plan Writer. The Plan Writer will then send the Project Manager the finalized sections of the plan to be reviewed and approved. Each Team member was given until the next meeting to make revisions or approve the sections provided.</p> <p>A draft list of Critical Facilities, site Emergency Operations Centers (EOCs) and critical facilities that would be needed to manage an emergency was presented. Additional assignments were made at Meeting #2 which included additional information on these Critical Sites, where site EOCs were located, IT sites, communications issues, generator issues, and additional insurance, facility and maintenance information.</p>
<p>Planning Meeting #3 08/13/2015 1:30-3:30 PM District</p>	<p>IV-B. Earthquake</p> <p>The Plan Writer and Project Manager worked together all month updating and improving the critical facilities list that would be required to manage and respond to a disaster at the RSCCD. The site list was documented and presented again to the Team at Meeting #3. The Team provided input on the critical facilities lists.</p> <p>The Plan Writer presented the first draft of the Earthquake section IV-B. The RSCCD is impacted by five earthquake faults. Each fault was presented using the 2009 Orange County</p>

V. The Planning Process

<p>Office</p>	<p>HAZUS study, information from the California HM Plan, USGS, MMI Engineering Hazus Study and numerous other studies. Hazus data was presented by MMI Engineering and they were present for the discussion on Earthquake. After presenting the cost impacts for two of the faults, the five faults were prioritized by worst impact to least impact. The Team agreed on the priorities. The Director of District Construction discussed projects planned for the future and Bond Measure E plans were discussed. Many of the identified facilities (by MMI Engineering) were already scheduled for demolition, mostly on Santa Ana College. The recommended mitigation strategies were presented by the Plan Writer. Each was discussed in depth and then the members and public were invited to present their ideas. Their ideas were incorporated into the second draft of the Earthquake section. The Director of District Construction was invaluable during this process. He manages the Facilities Master Plan which he presented. It became an important central document utilized throughout this plan. The FEMA booklet Mitigation Ideas , January 2013 was used throughout this plan for mitigation ideas.</p>
<p>Planning Meeting #4 10/08/2015 1:30-3:30 PM District Office</p>	<p>IV-C. Flood/Storm IV-D. Dam Failure</p> <p>The Flood/Storm and Dam Failure draft reports were emailed to all Team members one week prior to the fourth meeting. The fourth meeting was a full meeting with two hazards being presented. The OC Hazus information was utilized again for the Flood/Storm. Numerous other studies on Prado Dam and other Orange County dams were utilized. State OES provided a CD with dams and inundation maps. They were in most cases unreadable and it was difficult to impossible to determine which RSCCD sites were in which inundation zones. Vicki Osborn, Orange County assisted with better maps and dam failure information and the Project Manager and Plan Writer reviewed each map individually and documented which sites would be impacted by which dams. Again, it was impossible to provide quality results without having the inundation maps integrated with GIS showing the exact location of each of the sites.</p> <p>A Power Point presentation was used to present the risk and vulnerability of each RSCCD site to the different flood scenarios, dam failure from Prado Dam and other three dams that threatened RSCCD sites. Flood/Storm is the most common disaster in Orange County. The Prado Dam inundation map shocked the Team. Most sites in the district could be impacted. The Team found the information surprising, most of them knowing nothing about Prado Dam and the other dams. The mitigation strategies were presented by the Plan Writer. Each was discussed and then the members and public presented their ideas. Their ideas were incorporated into the second draft of the Sections. Assignments were made to the Team to determine future development trends of the district and ways in which to fund the mitigation strategies.</p>
<p>Planning Meeting #5 12/10/2015</p>	<p>IV-E. Drought IV-F. Windstorms</p> <p>The Windstorm and Drought draft reports were emailed to all Team members one week prior to the fifth meeting. The Team was working well together and understood their role in the project. They provided needed information on the district and the process was a success.</p> <p>It was discovered that the district had already taken steps to mitigate drought. The District has formed a</p>

	<p>RSCCD Sustainable Committee (RSC) that is responsible for raising awareness within the district and making recommendations to the Chancellor concerning the conservation of energy, water and other resources and the implementation of sustainability practices that impact the district and community. Their recently approved plan and goals were reviewed and data was included in this plan. Representatives from the Sustainable RSCCD Committee were invited to the meeting.</p> <p>The Plan Writer presented the Windstorm and Drought reports on a Power Point slide show. Individuals were surprised at the seriousness of a droughts. The Plan Writer made recommendations and mitigation strategies were presented. The Team members each presented their own ideas on strategies plus added additional strategies to the reports. Each strategy was discussed in detail. The Team was given their assignments. The Team considered and provided their ideas for how to maintain the plan and how to keep the subject of hazard mitigation as a priority topic for the district.</p> <p>Again the Team was asked how to get more public involvement in the planning process and how to get the public to attend a future Community Forum.</p>
<p>Planning Meeting #6 2/11/2016</p>	<p>V. The Planning Process and Public Participation VI. Plan Maintenance IV Part E. Drought and Climate Change</p> <p>The Plan Writer documented the RSCCD Hazard Mitigation Team Planning Process and developed the first draft of the Planning Process and Public Participation Plan and the Plan Maintenance Sections.</p> <p>The drafts of the sections V and VI were emailed to the Team one week prior to Meeting 6. At the meeting a Power Point slide show was presented describing these two sections of the plan. Changes and Team member's thoughts were incorporated into the second drafts of these plans.</p> <p>Climate Change had been added to the Drought Plan to make the Drought and Climate Change plan, Section IV, Part E. The State OES provided the wording for Climate Change which was added and personalized to the District. Information was added about the RSCCD Sustainability Committee and their responsibilities.</p> <p>The remainder of the meeting was utilized to review the hazard mitigation strategies and ensure that everyone's thoughts and ideas were incorporated into these sections of the plan.</p> <p>A 2016 Mitigation Strategies Tracking Form was presented with all strategies from all hazards. The list was previously presented to the Director of District Construction who placed them in his recommended order and provided cost estimates. The Team then went through the list and reprioritized them after in-depth discussions. Each Team member and the public who were present had the opportunity to participate in the discussions. The Team came to a consensus on each of the priorities.</p>
<p>Community Forum Meeting #7</p>	<p>April 25, 2016 from 3-4 PM (Just prior to the RSCCD Board of Trustee Meeting), a Power Point was presented to the attendees which included the city/county/state/non-profit, district personnel, student representatives, and the public. The Power Point was an overview of the entire plan and included the 2016 Mitigation Strategies Tracking Form and a Public Comment Form. Each attendee was asked for their input into the plan using these two documents. Most comments were general comments such as: "good job," "we need this plan" and "very important</p>

	<p>plan.” These comments were not included in the plan. Only specific comments on either existing strategies or new ideas were included in the Planning Process and Public Participation section of the plan.</p>
<p>Final Team Meeting #8 and plan approval</p>	<p>All comments on the plan were documented. The comments were discussed at the final meeting. The grant paperwork was completed and submitted to State OES. The final plan was reviewed, the crosswalk was completed and discussed. The plan was copied and two copies were submitted to State OES. The grant paperwork was finalized and submitted. The Hazard Mitigation Plan went through the approval process of OES, FEMA and the RSCCD Board of Trustees. <i>And now the important work begins...</i></p>

The public was invited to every meeting by the website, many of the meetings through press releases to local newspapers, and through educational booths held at the colleges. The RSCCD employee representatives included: 7 site directors, facilities and construction personnel, finance personnel, Security Chief and emergency preparedness personnel at the 2 large colleges and 2 student representatives. Invited from the city/county/state were all Emergency Managers, all City Planners, and police and fire reps from the cities that had fire and police and the County Fire Department, To expand our outreach, we had the American Red Cross who attended most meetings and the Chamber of Commerce representatives to bring businesses into the planning meetings. Our goal was to reach as many individuals, internal and external to the district as possible. We included all public entities who represented their cities, county and State OES.

In addition, there were personal interviews, phone interviews and email interviews. For example: the City of Anaheim Building Official discussed a closed dam that was in Anaheim but impacted Orange. The Army Corps of Engineers was asked numerous questions about Prado Dam. The Orange County Water District emergency planner responded to dozens of questions about drought and water sources. County Emergency Management Bureau provided additional dam inundation maps and responded to a dozen question throughout the process. The cities of Santa Ana and Orange where 6 of the 7 sites are located provided maps, their General Plans, the Seismic Safety Elements, their Emergency Plans and their websites provided dozens of additional reports that were accessed.

State OES assisted us by providing a CD of dam inundation maps, answered dozens of questions on Climate Change requirements, grant information, grant reports, and many technical questions.

FEMA provided the booklets on hazard mitigation. They were used extensively for ideas on which mitigation projects especially for drought which was new to the plan writer. They were used for the FEMA recommended process for prioritizing the mitigation strategies.

At every meeting the attendees (including the public) were asked for their input into the plan. They were given a contact person, phone number and email address to send comments on the plan to. We stressed at each meeting that we really **wanted** their input!

For the community forum, everyone that participated in the plan was invited and the general public through the website, local newspapers, press releases, notices to the Board of Trustees, etc. At the community forum, formal comment sheets were handed out to all attendees who were told that we wanted their input, comments, and ideas for additional projects. All employees, students and the public comments were reviewed by the Hazard Mitigation Team to determine if they should be incorporated into the plan. Most attendees just made comments on, "Great job, good plan, important to follow through with, etc."

Every effort was made to get employees, faculty, students, cities, county, state, public safety, businesses and business representatives, non-profit, and the general public involved in the planning process.

Meeting Sign-In Sheets

April 2, 2015 Kick Off Meeting

Sign-IN SHEET 4-2-2015
KICK OFF MEETING
MEETING #1

Gloria Morrison	gloria@VERIZON.NET
Hope Seligson	hseligson@mmiengineering.com
SARAH SIKAS	SARAH_SIKAS@SAC.EDU
JOSE VARGAS	vargas.jose@csccollege.edu
ANAN VERASEO	acvaseo@netfororange.org
JENNIFER AMAT	JAMAT@ORANGE.PD.ORE
SKYLAR BERTRAM	ERS577@AOL.COM
Jim Acosta	jim.acosta@caloes.ca.gov
ALISTAIR WINTER	winter.alishia@RSCCD.EDU
Ron Cooper	Cooper_Ron@SAC.RON
MIKE GIVER	Giver_michael@RSCCD.EDU
Dennis Taylor	taylor.dennis@RSCCD.EDU
MANNY PACHECO	MANNY_PACHECO@RSCCD.EDU
JOE DO SNAPE	DMIC JOE.ECC@YAHOO.COM
MICHAEL WHEELER	SAC WHEELER-MARK@SAC.EDU
Nilo Lipiz	lipiznilo@RSCCD.EDU
JOE MAUS	MAUS_JIMMIE@RSCCD.EDU


June 11, 2015 Meeting #2

Rancho Santiago Community College District
Hazard Mitigation Sign-In
JUNE 11, 2015
MEETING #2

Name	Email	Phone
Jeanne Garcia	jeanne.garcia@caloes.ca.gov	562-795-3931
Nilo Lipiz	lipiznilo@RSCCD.EDU	(714) 241-5724
Ron Cooper	Cooper_Ron@SAC.RON	714-566-9201
HOPE SELIGSON	hseligson@mmiengineering.com	714-445-1390
SKYLAR BERTRAM	ERS577@AOL.COM	714 618-4444
STEVE REYNOLDS	SRYNOLDS@SAC.MINDY	714-647-5115
JOSE VARGAS	Vargas.jose@csccollege.edu	714-428-5910
Arlean Satalo	satalo.arlean@sdccollege.edu	(619) 271-7414
MIKE GIVER	giver_michael@RSCCD.EDU	619-681-6730
Debbie Graves	Debbie.graves@netfororange.org	714 481-5448
Mark Wheeler	Wheeler.Mark@SAC.EDU	(714) 511-6319
Janneth Linnell	linnell.janneth@RSCCD.EDU	(714) 440-7548
MANNY PACHECO	MANNY_PACHECO@RSCCD.EDU	(714) 628-4989
Gloria Morrison	gloria@VERIZON.NET	(714) 955-2504


August 12, 2015 Meeting #3

October 8, 2015 Meeting #4



Hazard Mitigation Plan Meeting #3
Earthquake Hazards
8/12/15

Name	Agency	Signature
JOE MAUS	RSCCD	[Signature]
Randy Black	OCFA	[Signature]
JOSE VARGAS	OCFA, RSCCD	[Signature]
ARLEEN SATALO	SAC	[Signature]
Jim Acosta	CA OES	[Signature]
MANNY PACHECO	RSCCD/SAC	[Signature]
MIKE GIVER	RSCCD/SAC	[Signature]
Ron Cooper	RSCCD/SAC	[Signature]
Justaloo Chantano	DMIC	[Signature]
SKYLAR BERTRAM	SAC-SUBMIT REP	[Signature]
JENNIFER AMAT	ORANGE PD	[Signature]
HOPE SELIGSON	MMI ENGINE	[Signature]
Dennis Taylor	RSCCD	[Signature]
JOE MORRISON	PLAN WRITER	[Signature]



Hazard Mitigation Meeting
Attendance Roster
Floods / Dam Failures
10/8/15
MEETING #4
Meeting Attendees:

Print Name	Signature
JOE MAUS	[Signature]
JOSE VARGAS	[Signature]
ARLEEN SATALO	[Signature]
Nilo Lipiz	[Signature]
Ron Cooper	[Signature]
SKYLAR BERTRAM	[Signature]
Debbie Graves	Debbie Graves
HOPE SELIGSON	[Signature]
Janneth Linnell	[Signature]
Gloria Morrison	Gloria Morrison

December 10, 2015 Meeting #5

**Rancho Santiago Community College District
Hazard Mitigation Sign-In
Meeting #5 December 10, 2015**

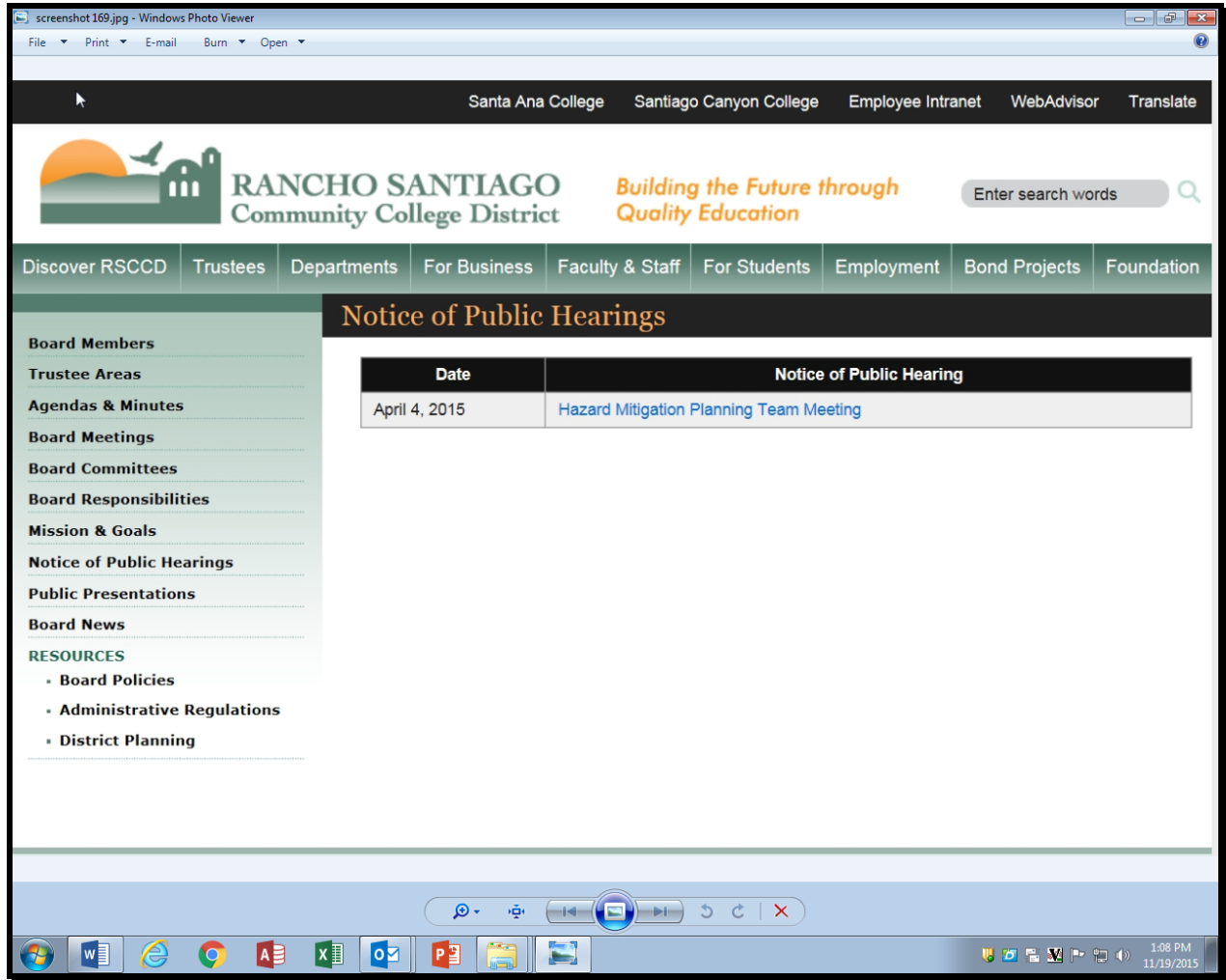
Name	Email	Phone
SKYLAR BERTZAM	sp5579@aol.com	(714) 658-4044
Gloria Marinon	gloria@verizon.net	714-955-2504
DON MAW	maus_donald@cscc.edu	714 480 7530
MIKE COLVER	colver_michael@cscc.edu	714-564-6330
Ron Cooper	CooperRon@cscc.edu	714-566-9201
JOSE VARGAS	vargas_jose@cscc.edu	714-628-5910
JOSE SALINA	-	(714) 910 36 49
Arlen Satele	satele_arlen@cscc.edu	-
Milo Lipiz	Lipiz_milo@cscc.edu	714-628-8477
Darryl Taylor	taylor_darryl@cscc.edu	(714) 615-9414
		↳ 714 480 7533

February 11, 2016 Meeting #6

MEETING #6	Sign-in SHEET	FEB. 11, 2016
1.	Gloria Marinon, Plan Writer	
2.	MIKE COLVER, SAC SAFETY + SECURITY	
3.	Debbie Gervais, Red Cross	
4.	STAVE RHINER CITY OF SANTA ANA	
5.	Ron Cooper SAC STA	
6.	ALISTAIR WINTER RSCCD	
7.	Jim Acosta, Cal OES	
8.	JOSE SALINAS DME	
9.	Don Maw	
10.	Arlen Satele, SEC	
11.	Darryl Taylor	
12.	Jose Vargas	

K. EXAMPLES OF MEETING NOTICES

FIGURE 3: WEBSITE NOTICE OF PUBLIC HEARING ON HAZARD MITIGATION PLAN APRIL 2015



The screenshot shows a web browser window displaying the Rancho Santiago Community College District website. The page features a navigation menu with categories like 'Discover RSCCD', 'Trustees', 'Departments', 'For Business', 'Faculty & Staff', 'For Students', 'Employment', 'Bond Projects', and 'Foundation'. A sidebar on the left lists various board-related items, including 'Board Members', 'Trustee Areas', 'Agendas & Minutes', 'Board Meetings', 'Board Committees', 'Board Responsibilities', 'Mission & Goals', 'Notice of Public Hearings', 'Public Presentations', and 'Board News'. Below the sidebar, there is a 'RESOURCES' section with links to 'Board Policies', 'Administrative Regulations', and 'District Planning'. The main content area is titled 'Notice of Public Hearings' and contains a table with the following data:

Date	Notice of Public Hearing
April 4, 2015	Hazard Mitigation Planning Team Meeting

FIGURE 4: WEBSITE NOTICE OF HAZARD MITIGATION KICK-OFF MEETING APRIL 2, 2015

Website notices were placed on the RSCCD website for every Hazard Mitigation meeting. This was determined to be the best source of information for students, faculty, staff and the general public for issues related to the RSCCD.

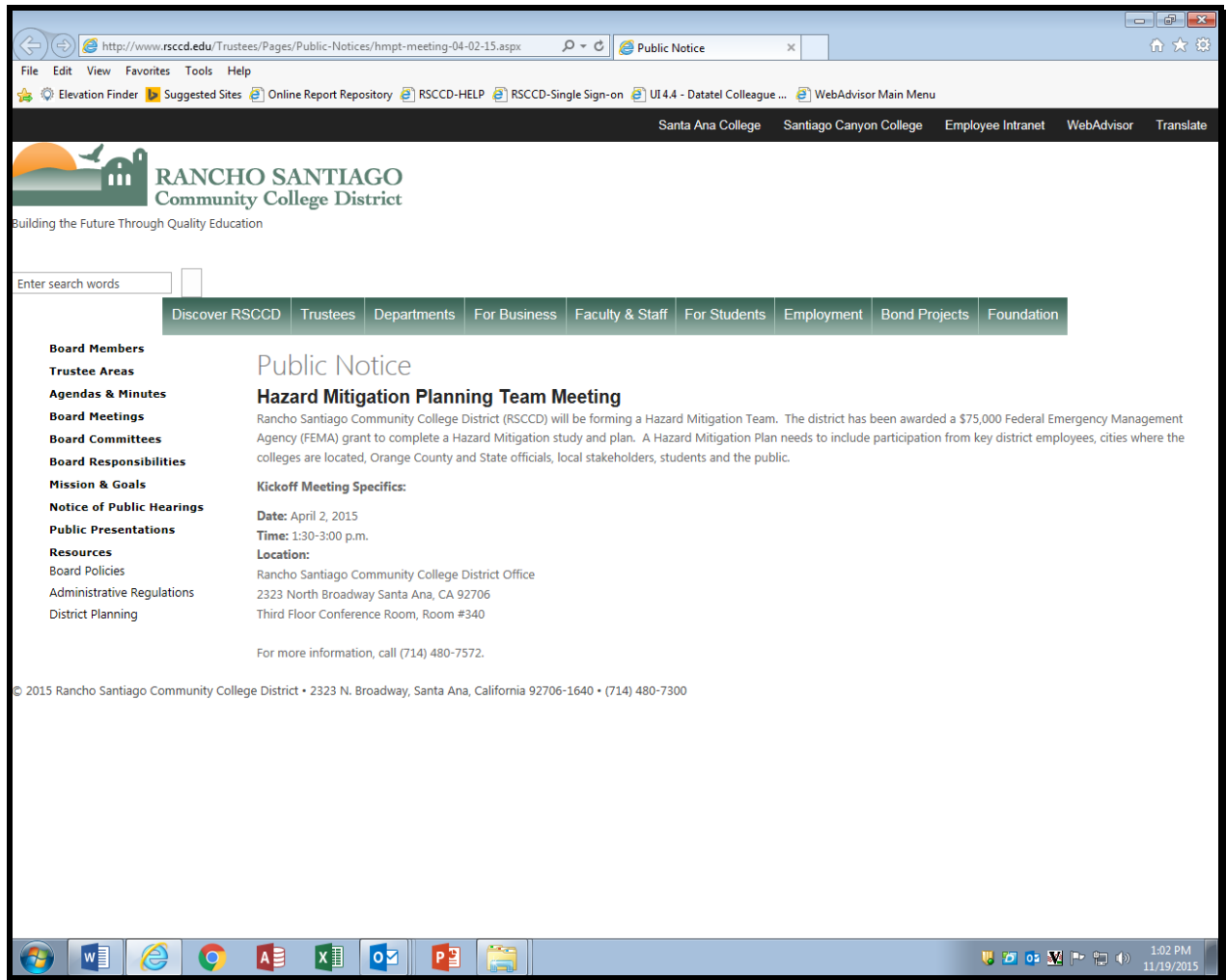


FIGURE 5: SAMPLE NEWS RELEASE FOR HAZARD MITIGATION MEETINGS



NEWS RELEASE

Contact: Judy Iannaccone
Director, Public Affairs
Phone: (714) 480-7503
E-mail: iannaccone_judy@rsccd.edu

August 5, 2015
FOR IMMEDIATE RELEASE

Rancho Santiago Community College District Holds Public Meeting to Review Hazard Mitigation Earthquake Plan on August 13

(Santa Ana, CA)— A public meeting will be held to review the Rancho Santiago Community College District Hazard Mitigation Plan, earthquake section. The meeting will be held on Thursday, August 13 at 1:30 p.m. at the District Office, located at 2323 N. Broadway, Santa Ana, in the first floor Board Room (Room 107).

RSCCD has received a \$75,000 grant from FEMA to guide the development of a Hazard Mitigation Plan. The goal of this grant program is to provide safer, stronger, protected communities and institutions and to take actions to reduce or eliminate long-term risk to people and property from natural hazards.

In the coming year, the college district will consider hazard mitigation measures for earthquakes, floods, dam failure, Santa Ana winds, and drought. The first phase of this hazard mitigation plan is the earthquake section, which will be presented to the public at this meeting.

Although community college facilities must meet Field Act standards at the time of construction, the hazard mitigation plan will recommend additional structural improvements that could further mitigate earthquake hazards. The plan will also offer non-structural improvements that could augment safety. Furthermore, suggestions will include training for district staff to prepare them to conduct initial damage assessments following an earthquake. Once approved by the RSCCD Board of Trustees and FEMA, the plan will offer a list of mitigation measures to make the college district facilities safer following earthquakes.

The public is invited to provide feedback on the plan and the list of mitigation measures that the district plans to take to lessen the impact of earthquakes on its facilities. For more information, contact RSCCD Risk Management at (714) 480-7330 or www.rsccd.edu.

About Rancho Santiago Community College District
Santa Ana College and Santiago Canyon College are public community colleges of the Rancho Santiago Community College District, which serves the residents of Anaheim Hills, Orange, Santa Ana, Villa Park, and portions of Anaheim, Costa Mesa, Irvine, Fountain Valley, Garden Grove, and Tustin. Both colleges provide education for academic transfer and careers, courses for personal and professional development, and customized training for business and industry.

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District Office
2323 North Broadway
Santa Ana, CA 92706-1640
(714) 480-7500 Tel (714) 796-3900 Fax

Santa Ana College Santiago Canyon College

FIGURE 6: PUBLIC EDUCATION BOOTH ON DISASTER PREPAREDNESS BEFORE MEETING #3



The RSCCD Safety & Security personnel set up a public education booth to educate students, faculty, staff and the general public about the earthquake threats to the District's sites.

The maps that were to be used for the Hazard Mitigation Meeting #3 and the Community Forums were used to draw the public into the booth, and when they came to the booth the sign on the table was pointed out and participants were personally invited to the Hazard Mitigation Meeting #4 on Earthquakes.

Earthquake is the most popular issue in the plan and RSCCD personnel and visitors were more likely to attend that meeting than others. Because of this, the Public Affairs as well as the Security & Safety personnel made great effort to bring in the students, faculty, staff and the general public.

Join our Hazard Mitigation Planning Team

**Meeting Date:
October 8, 2015**



**Time:
1:30 PM**



**Location:
District Office
2323 North Broadway
First Floor, Room 107
Santa Ana**

FIGURE 7: SAMPLE NEWS RELEASE BY THE DIRECTOR OF PUBLIC AFFAIRS & PUBLICATIONS

From: Maus, Donald
Sent: Monday, August 03, 2015 8:28 AM
To: Iannaccone, Judy
Cc: Morrison, Gloria
Subject: Public Notice

Hi Judy/PIO,

As you may know, the district received a grant to prepare a Hazard Mitigation Plan. Part of the grant's requirements is that we involve the public in developing this plan. We already had Dean put our next meeting on the district calendar. Gloria Morrison is our plan writer and she suggested we send out a press release to show our good faith effort in inviting the public. Below is what we want to say. What do you think???

PUBLIC MEETING SCHEDULED TO REVIEW HAZARD MITIGATION EARTHQUAKE PLAN

A public meeting will be held to review the Rancho Santiago Community College District (RSCCD) Hazard Mitigation Plan, earthquake section. The meeting will be held on August 13 at 1:30 PM at the District Office at 2323 North Broadway in Santa Ana, First Floor Board Room #107.

The District has received a \$75,000 grant from FEMA to hire a plan writer and form a committee to guide the development of a Hazard Mitigation Plan. The community college district will prepare a plan and list of mitigation measures to make its facilities safer from earthquakes. Mitigation measures are sustained actions taken to reduce or eliminate long-term risk to life and property from hazards such as an earthquake.

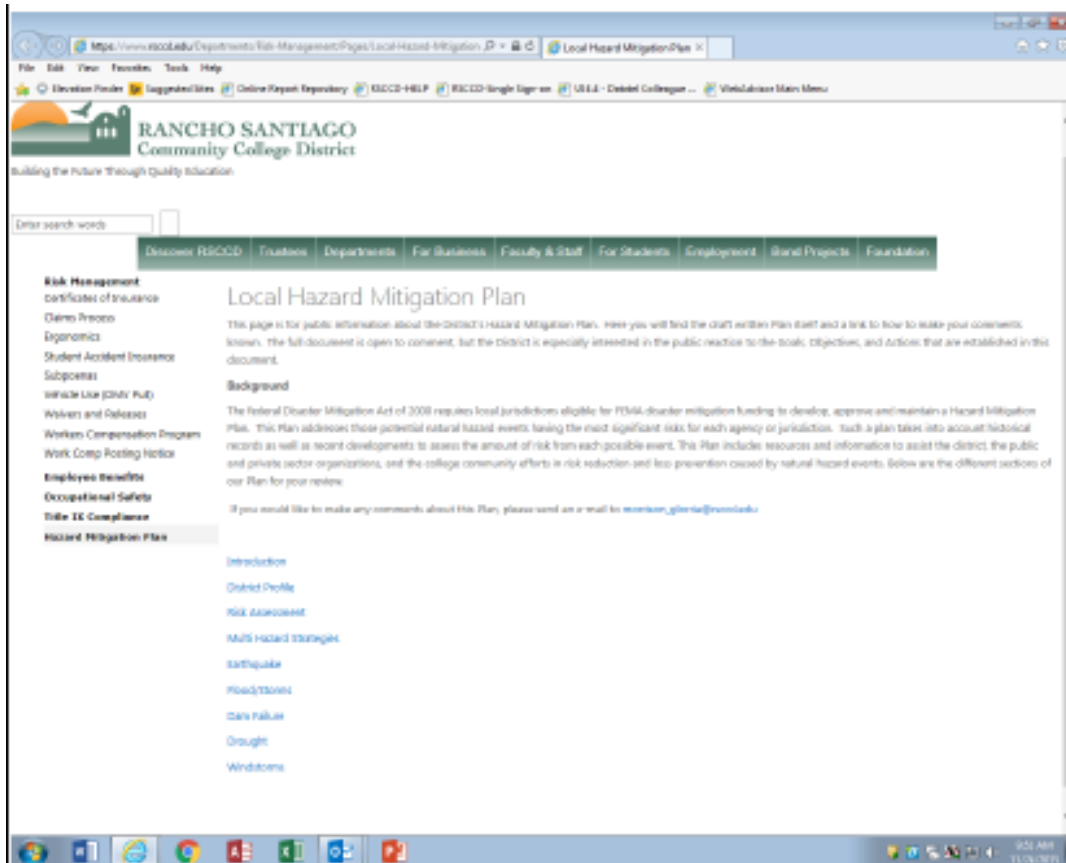
The public is invited to provide feedback on the plan and the list of mitigation measures that the district plans to take to lessen the impact of earthquakes on its facilities.

Don Maus
Risk Manager
714-480-7330

FIGURE 8: SAMPLE DISTRICT OFFICE MEETING NOTICE TO EMPLOYEES



FIGURE 9: HAZARD MITIGATION PLAN ON THE WEBSITE REQUESTING PUBLIC COMMENTS



L. REVIEW OF EXISTING DOCUMENTS

Throughout the planning process, the Team members, Project Manager and the Plan Writer had to determine what existing documents needed to be reviewed. Community College Districts do not have a General Plan like cities and counties do. They do, however, have Facilities Master Plans, Insurance Reports, websites with critical information, photos of facilities, Bond Measures, Budgets, etc. The cities, county and state representatives on the team were the best sources of local zoning and planning ordinances. City Planners were invited to participate on the team. The Division of the State Architect's (DSA) Office was the best source of public school construction information. The Director of District Construction was the liaison to the DSA throughout this plan. The best and most valuable information came directly from the RSCCD employees. Their knowledge was essential in developing this plan. Dozens of documents were reviewed and the following documents were most beneficial:

- State of California Multi-Hazard Mitigation Plan
- County of Orange and Orange County Fire Authority Hazard Mitigation Plan
- Fullerton, Riverside, Huntington Beach and Newport Beach Hazard Mitigation Plans
- City General Plans and Safety Elements for Orange County, Santa Ana, Tustin and Orange City
- City/County Safety Elements for Orange County, Santa Ana, Tustin, Orange City
- Division State Architects Website and documents
- Emergency Operations Plans (EOP) for RSCCD, City of Santa Ana, City of Tustin and City of Orange
- OC Water District, Municipal Water District of OC, and Southern California Metropolitan Water District water planning and distribution documents
- California Climatic Change and Washington Planning for a Changing Climate
- National Flood Insurance Program website and information
- Orange County Flood Control Project Seven-Year Plan
- Hazus Study - Orange County dated April 23, 2009
- State OES Dam Inundation CD
- Orange County Dam Failure Inundation Maps
- Fusion - the Community College state-wide Facilities Utilization Space Inventory On-line system.
- RSCCD 5-Year Facility Master Plan
- RSCCD Maintenance Plans
- RSCCD Landscape Plans
- Sustainable RSCCD Committee Plan
- RSCCD Bond Measure E/Bond Oversight Committee and Annual Reports
- RSCCD Bond Measure Q/Bond Oversight Committee and Annual Reports
- Department of Water Resources Climate Action Plan
- Preparing for Climate Change

M. PLANNING CONSTRAINTS

The Cities of Santa Ana, Orange and Tustin do not have Hazard Mitigation Plans, a constraint in development of the college district plan.

The City of Tustin had no one available to participate on the Hazard Mitigation Team. In the 5-Year Update of the plan, this should be rectified.

The district could not get quality maps of dam inundation zones. The district received a CD from State OES and some improved maps from the Orange County Emergency Management Bureau but none of these maps were in GIS format and the quality of all maps were insufficient to properly evaluate their impact on the district facilities. This was made a Hazard Mitigation Strategy to attempt to resolve this problem before the 5-Year Update.

N. COMMUNITY PARTICIPATION

It was a main goal of the RSCCD and the RSCCD Hazard Mitigation Planning Team to provide as many opportunities for the community, the faculty, students and staff; public agencies within the RSCCD area; local businesses; academia; nonprofits; the general public; and other interested parties to be involved in the planning process. The plan was announced with invitations to key district and public agency personnel; disaster preparedness meetings and trainings; management meetings; Board of Trustee Meetings where the grant was introduced and approved; Orange County Emergency Management Organization (OCEMO) Meetings; as well as emergency management professional meetings.

Press Releases were sent to The Orange County Register who reach all 34 cities within Orange County including all cities that the RSCCD serves. They also have contracts with the smaller local newspapers such as The Independent, The View, and The Daily Pilot and other local papers.

The plan/grant was announced in as many places as the Project Manager and Plan Writer could think of to invite the public to the planning meetings. Some examples of announcements made by the Plan Writer include:

- Orange County Emergency Management Organization (OCEMO)
 - Target Audiences
 - Orange County Local Emergency Managers
 - Orange County Colleges and Universities
 - Orange County K-12 School Districts
 - Orange County Non-Profits
 - OCEMO College Committee Chair
 - Target Audiences
 - Orange County Community Colleges
 - Orange County Universities (public and private)
 - Orange County Disaster Preparedness Academy
 - Target Audiences
-

V. The Planning Process

- Orange County public interested in disaster preparedness
- Orange County CERT Teams
- Orange County K-12 Personnel
- Orange County College Personnel
- Orange County Emergency Management professionals
- Orange County Businesses
- The General Public
- In addition, the public was invited by the RSCCD Board of Trustees at meetings where the grant was approved
 - Target Audiences
 - RSCCD Board Members
 - The General Public
 - RSCCD Managers and Budget Personnel
 - RSCCD Students
 - RSCCD Faculty
- RSCCD Website where all meetings were announced and the public was invited as well as the draft plans were placed on the website as each section was completed
 - Target Audiences
 - RSCCD Students (The RSCCD website was proven to be the best avenue to reach students)
 - RSCCD Faculty
 - RSCCD Staff
 - The General Public
 - RSCCD Sustainable Committee
 -
- The Orange County Register Newspaper
 - Target Audiences
 - The General Public

A special thanks to the RSCCD Public Affairs & Publications Director for developing monthly notices and newspaper press releases announcing the Hazard Mitigation Team Meetings. Ms. Judy Iannaccone, Public Affairs & Publications, who was previously with the American Red Cross communicated the importance of hazard mitigation and need for public participation in all communications.

These individuals were targeted again and again throughout the planning process along with targeting the general public on every occasion possible.

O. COMMUNITY FORUM

The Project Manager, the Team and the Plan Writer agreed the most effective way to conduct a Community Forum was to hold it directly prior to the Board of Trustees meeting. The plan was placed on the RSCCD website with invitations for the public to participate in the process. Memos were sent to the Board of Trustees, all Hazard Mitigation Team members, all RSCCD managers, Maintenance & Operations managers, Security supervisors, the public, local emergency managers and police and fire departments in the three cities the district is located in (Santa Ana, Orange and Tustin), water agencies, County of Orange Emergency Management Bureau personnel as well as State Office of Emergency Services and the American Red Cross.

The Team wanted to make it convenient for the Board of Trustees to attend so the policy makers could be educated on the Hazard Mitigation Plan, its goals, the district's vulnerabilities, and the recommended strategies. This would allow the policy makers an opportunity to comment on the plan and its strategies.

Copies of each section of the plan were made available for the Community Forum attendees on the website. A Power Point presentation was presented by the Plan Writer. The Power Point is available through the Project Manager. It included maps, vulnerability assessments, community issues, strategies and strategy priorities.

The presentation was followed at each forum by a questions and answers section and there were always questions and comments. All comments were positive. See the memos, signs, notices, website announcements and emails announcing the Community Forum. (below) All plan comments are included in this section.

All plan comments were reviewed by the RSCCD Hazard Mitigation Planning Team at the final meeting. Changes recommended by the Team were made by the Plan Writer.

FIGURE 10: INVITATION POSTCARD TO THE HAZARD MITIGATION TEAM TO THE COMMUNITY FORUM



FIGURE 11: INVITATION TO THE RSCCD BOARD OF TRUSTEES TO THE COMMUNITY FORUM

To: RSCCD Board of Trustees
From: Don Maus, Risk Manager

The Board is invited to participate in the Hazard Mitigation Community Forum on April 25, 2016 from 3-4 PM at the District Office Board Room, just prior to the scheduled Board Meeting.

The district received a \$75,000 grant from the State Office of Emergency Services (OES) and Federal Emergency Management Agency (FEMA) to develop a Hazard Mitigation Plan which will make the district eligible for FEMA grants to mitigate district facilities from natural hazards. A planning team was formed to develop the plan. It included the hiring of an experienced part time employee to write the plan and hiring an engineering firm to complete an analysis of all our facilities and to map the hazards.

The plan identifies our natural hazards which include: Earthquake, Flood/Storm, Dam Failure, Drought/Climate Change and Santa Ana Winds. A vulnerability assessment was conducted looking at each of the 7 district sites and all the buildings on those sites. The hazard mapping shows which facilities are threatened by earthquakes, floods and dam failures. The Community Forum will review the highlights of the planning results.

Once the Board, the State and FEMA approve the plan, the district will be eligible for FEMA Hazard Mitigation grants where FEMA pays 75% and the district would cover 25% of the costs to evaluate or improve the facilities. This year alone, FEMA announced they will provide \$289 million to local communities for these pre-disaster grants. Also, following a disaster, the district will now be eligible for grants to help rebuild damaged facilities.

FIGURE 12: INVITATION TO RSCCD MANAGERS TO THE COMMUNITY FORUM

Last year we received a \$75,000 grant to prepare a Hazard Mitigation Plan for the district, which describes the risks and vulnerabilities to district sites associated with natural disasters and identifies long-term strategies for protecting people and property from future hazard events such as these. We hired a consultant with past experience writing these plans and put together a committee with representatives from each of our sites and community partners such as the Red Cross, the City of Orange, the City of Santa Ana, the Orange County Fire Authority, and the Orange County Emergency Management Bureau. The committee spent the last year hiring an engineering firm and reviewing each of the natural hazards that might affect the district.

The Plan is now complete and we would like to invite you to provide feedback on the Plan at a one hour presentation on the impact of earthquakes, floods, dam failure, drought, climate change, and Santa Ana Winds on the RSCCD sites and facilities. The meeting will be held on [April 25, 2016 from 3:00pm-4:00pm at the District Office](#) in the Boardroom. Feel free to invite members of the safety committees, Building Captain/Floor Warden programs or others who might be interested in hearing about our Plan.

Hazard mitigation saves lives, preserves property, and protects the environment during times of disaster. Once our Plan is approved, we then become eligible for mitigation projects, which are funded at 75% by FEMA. This year alone FEMA provided \$190 million to public agencies for mitigation projects.

If you have any questions, please give me a call.

Thanks.

FIGURE 13: RSCCD PRESS RELEASE FOR THE APRIL 25 COMMUNITY FORUM

**PUBLIC MEETING SCHEDULED TO REVIEW
DISTRICT HAZARD MITIGATION PLAN**

The Rancho Santiago Community College District (RSCCD) received a grant to prepare a Hazard Mitigation Plan, which describes the risks and vulnerabilities to the District associated with natural disasters, and identifies long-term strategies for protecting people and property from future hazard events such as these. The Plan is complete and we would like to invite the public to provide feedback on the plan at a one hour presentation on the impact of earthquakes, floods, dam failure, drought, climate change, and Santa Ana Winds on the RSCCD sites and facilities. The meeting will be held on April 25, 2016 from 3:00pm-4:00pm at the RSCCD Board Room, 2323 N. Broadway in Santa Ana. Hazard mitigation saves lives, preserves property, and protects the environment during times of disaster.

FIGURE 14: RSCCD SECOND PRESS RELEASE FOR THE APRIL 25 COMMUNITY FORUM



Contact: Judy Iannaccone
Director, Public Affairs
Phone: (714) 480-7503
E-mail: iannaccone_judy@rscd.edu

April 18, 2016
FOR IMMEDIATE RELEASE

Rancho Santiago Community College District Holds Public Meeting to Review Hazard Mitigation Earthquake Plan on April 25

(Santa Ana, CA)— A public meeting will be held to present the Rancho Santiago Community College District Hazard Mitigation Plan and to solicit feedback. The meeting will be held on Monday, August 25 from 3:00 p.m.- 4:00 p.m. at the District Office, located at 2323 N. Broadway, Santa Ana, in the first floor Board Room (Room 107).

The RSCCD Hazard Mitigation Plan was prepared thanks to a \$75,000 grant from FEMA. The plan describes the college district's risks and vulnerabilities in association with natural disasters including earthquakes, floods, dam failures, drought, climate change and severe weather including Santa Ana winds. Gloria Morrison, retired emergency manager for the City of Huntington Beach who consulted in the development of this plan, will present the various impacts and associated mitigation strategies described in the plan. Morrison has over 30 years of experience in emergency planning.

According to Morrison, the two natural disasters with the highest potential impact on the college district would be an earthquake along the San Joaquin Hills Fault or a failure of the Prado Dam.

Once the public has had an opportunity to provide feedback, the following steps will be undertaken:

- The plan will be submitted to the State Office of Emergency Services and to FEMA for review and approval.
- Then the plan will be submitted to the RSCCD Board of Trustees for approval.
- With those approvals, RSCCD will be eligible to apply for additional FEMA funds to help underwrite mitigation strategies. If FEMA approves any project, it will pay 75 percent of its cost.

The public is invited to provide feedback on the plan and encouraged to attend this presentation. For more information, contact RSCCD Risk Management at (714) 480-7570 or www.rscd.edu.

About Rancho Santiago Community College District

Santa Ana College and Santiago Canyon College are public community colleges of the Rancho Santiago Community College District, which serves the residents of Anaheim Hills, Orange, Santa Ana, Villa Park, and portions of Anaheim, Costa Mesa, Irvine, Fountain Valley, Garden Grove, and Tustin. Both colleges provide education for academic transfer and careers, courses for personal and professional development, and customized training for business and industry.

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Santa Ana College Santiago Canyon College

District Office
2323 North Broadway
Santa Ana, CA 92706 • 1640
(714) 480-7500 Tel (714) 796-3900 Fax

FIGURE 15: COMMUNITY FORUM SIGN-IN SHEETS

P. PARTNERSHIPS

ORANGE COUNTY OPERATIONAL AREA AND OCEMO

The Orange County Emergency Managers Organization (OCEMO) meets monthly to prepare Orange County public agencies for disasters. OCEMO is comprised of representatives from all public jurisdictions in Orange County. These representatives include: County Agencies, Cities, Special Districts, School Districts, and the American Red Cross and other members of OCEMO. Developing a Natural Hazards Mitigation Plan is a major concern of all agencies. Orange County, many of the cities and a few school districts had developed plans. These jurisdictions were consulted on the process, asked to share their plans, and helped throughout 18 months in answering questions.

CALIFORNIA OFFICE OF EMERGENCY SERVICES (OES)

The California OES was helpful in each step during the Hazard Mitigation plan writing process. State OES provided Hazard Mitigation Workshop Power Points, documents, the California Hazard Mitigation Plan, and links to federal documents that were helpful. They provided us with dam inundation maps and worked with us on grant paperwork

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

FEMA was also helpful in the hazard mitigation planning process. FEMA announced it was accepting applications for the Hazard Mitigation planning grants. This grant was a competitive grant written to help jurisdictions develop Hazard Mitigation Plans. The RSCCD applied through State OES for the FEMA grant. FEMA also provided training documents that were priceless.

FEMA published and provided at no cost the Hazard Mitigation 386 Series. The RSCCD utilized the books throughout the process. The 386 Series was very helpful and utilized on a daily basis. The 386 Series is a “how to guide” for writing Hazard Mitigation Plans. The Plan Writer and Project Manager referred to the 386 Series often. ***The Hazard Mitigation Plan could not have been written without the guidance provided from the 386 Series.***

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Q. AUTHORITIES, POLICIES AND PROGRAMS

TABLE 6: REVIEWED AUTHORITIES, POLICIES AND PROGRAMS

Agency Name (Mission and Function)	Programs, Plans, Policies, Regulations	Point of Contact	Comments
State of California	<p>California Code of Regulations (CCR), Title 24, also known as the California Building Standards Code.</p> <p>Assembly Bill (AB) 1402 (which has been codified as Education Code Section 17250.10 et seq.), effective January 1, 2002, authorizes school districts to enter into design-build contracts for projects with design and construction costs exceeding \$10 million. AB 1402 also required the California Department of Education (CDE) to develop guidelines for implementing design-build projects in consultation with the Office of the Secretary for Education; Department of General Services; Energy Resources, Conservation, and Development Commission; Seismic Safety Commission; school district representatives; and industry representatives.</p>	State of California California Building Standards Commission	<p>California Building Standards Code, is a compilation of three types of building criteria from three different origins:</p> <ul style="list-style-type: none"> ▪ Building standards that have been adopted by state agencies without change from building standards contained in national model codes; ▪ Building standards that have been adopted and adapted from the national model code standards to meet California conditions; and ▪ Building standards, authorized by the California legislature, that constitute extensive additions not covered by the model codes that have been adopted to address particular California concerns

<p>Division of the State Architect (DSA)</p>	<p>Division of the State Architect (DSA) provides design and construction oversight for K–12 schools, community colleges, and various other state-owned and leased facilities</p>	<p>Division of the State Architect (DSA) http://www.dgs.ca.gov/dsa/home.aspx Chester A. Widom, FAIA State Architect 1102 Q Street, Suite 5100, Sacramento, California 95811 916.445.8100</p>	<p>The Division of State Architect (DSA) provides for submittal of plans, review of plans, oversight of construction and certification upon completion of projects.</p>
<p>Orange County</p>	<p>Codified Ordinances</p>	<p>Orange County Clerk of the Board, Darlene Bloom 10 Civic Center Plaza, Room 465 Post Office Box 687 Santa Ana, CA 92702 www.ocgov.com</p>	<p>Ordinances dedicated to Public Facilities; Public Morals, Safety and Welfare; Property Maintenance; Health and Sanitation and Animal Regulations; Business and Special Licenses, Regulations; Highways, Bridges, Rights-of-Way, Vehicles; Land Use and Building Regulations; Fees; Water Quality—Orange County Flood Control; Stormwater Management and Urban Runoff.</p>
<p>Orange County Fire Authority (OCFA)</p> <p>Mission: To serve the changing needs of the community by providing the highest quality regional emergency, safety and support services, including protecting lives, property, and the environment with compassion, vigilance and dedication to excellence</p>	<p>Orange County Hazardous Materials Area Plan (November, 1999)</p> <p>California Fire Code 2001</p> <p>California Public Resources Code, Division 4.</p>	<p>Emergency Planning & Coordination Section, OCFA (714-573-6000)</p>	<p>Addresses the storage, use and emergency planning for hazardous materials</p> <p>The purpose of the Code is to prescribe regulations governing conditions hazardous to life and property from fire or explosion. Section 27, Appendix 2-A-1, Article 11, Section 1103.2.4</p> <p>The purpose is to prescribe regulations governing forests, forestry and fire issues.</p>

Rancho Santiago Community College District

Agency Name (Mission and Function)	Programs, Plans, Policies, Regulations, Funding, or Practices	Point of Contact	Comments
City of Santa Ana	Local Zoning Ordinances	City Engineer/Building and Planning Departments City of Santa Ana	City General Plan Zoning & Subdivisions Ordinance
City of Orange	Local Zoning Ordinances	City Engineer/Building and Planning Departments City of Orange	City General Plan Zoning & Subdivisions Ordinance
City of Tustin	Local Zoning Ordinances	City Engineer/Building and Planning Departments City of Tustin	City General Plan Zoning & Subdivisions Ordinance
RSCCD Board of Trustees	<p>California Code of Regulations (CCR), Title 24, also known as the California Building Standards Code</p> <p>Assembly Bill (AB) 1402 (which has been codified as Education Code Section 17250.10 et seq.), effective January 1, 2002, authorizes school districts to enter into design-build contracts for projects with design and construction costs exceeding \$10 million.</p>	<p>RSCCD Clerk of the Board RSCCD 2323 North Broadway Santa Ana, CA 92706</p>	<p>Community College Districts do not have building or fire codes. They operate under the State of California Building Standards Code and AB 1402 (Education Code Section 17250.10).</p> <p>However, they have legal authority to make all decisions about facilities in the district through the Facilities Master Plan. The Board makes the decisions and then they work with the DSA to make facility changes and additions.</p>

