

2017

LOCAL HAZARD MITIGATION PLAN



Prepared by:

RIVERSIDE COMMUNITY COLLEGE DISTRICT

6/1/2017

CONTACT INFORMATION

RIVERSIDE COMMUNITY COLLEGE DISTRICT

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PLAN ADOPTION/RESOLUTION

The Riverside Community College District will submit plans to Riverside County Emergency Management Department who will forward to California Governor's Office of Emergency Services (CAL OES) for review prior to being submitted to the Federal Emergency Management Agency (FEMA). In addition, we will wait to receive an "Approval Pending Adoption" letter from FEMA before taking the plan to our local governing bodies for adoption. Upon approval, the Riverside Community College District will insert the signed resolution.

EXECUTIVE SUMMARY

The purpose of this local hazard mitigation plan is to identify the County's hazards, review and assess past disaster occurrences, estimate the probability of future occurrences and set goals to mitigate potential risks to reduce or eliminate long-term risk to people and property from natural and man-made hazards.

The plan was prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 to achieve eligibility and potentially secure mitigation funding through Federal Emergency Management Agency (FEMA) Flood Mitigation Assistance, Pre-Disaster Mitigation, and Hazard Mitigation Grant Programs.

Riverside Community College District continual efforts to maintain a disaster-mitigation strategy is on-going. Our goal is to develop and maintain an all-inclusive plan to include all jurisdictions, special districts, businesses and community organizations to promote consistency, continuity and unification.

The District's planning process followed a methodology presented by FEMA and CAL-OES which included conducting meetings with the Operational Area Planning Committee (OAPC) coordinated by Riverside County Emergency Management Department (EMD) comprised of participating Federal, State and local jurisdictions agencies, special districts, school districts, non-profit communities, universities, businesses, tribes and general public.

The plan identifies vulnerabilities, provides recommendations for prioritized mitigation actions, evaluates resources and identifies mitigation shortcomings, provides future mitigation planning and maintenance of existing plan.

The plan will be implemented upon FEMA approval.

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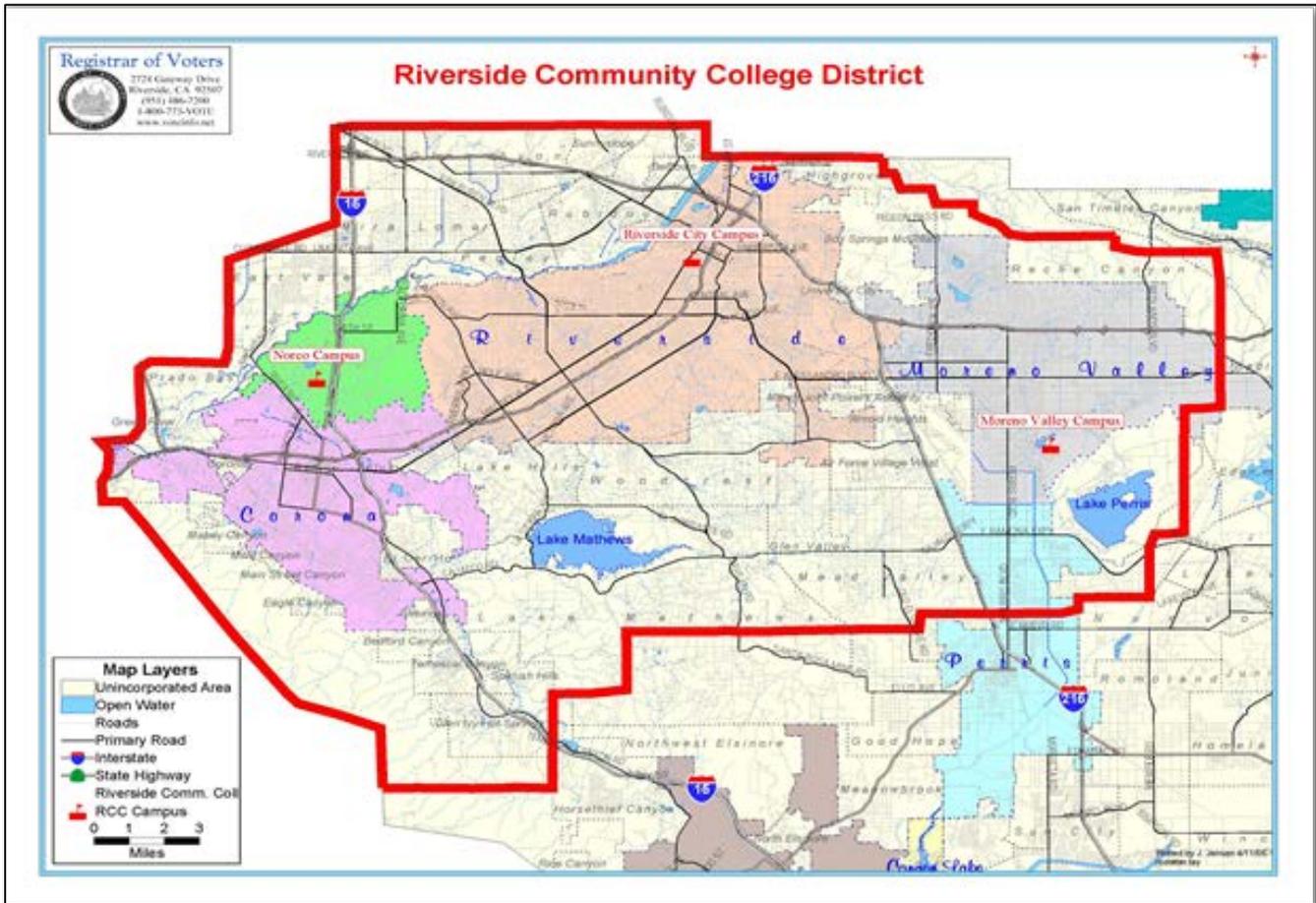
SECTION 1.0 - COMMUNITY PROFILE

LOCAL JURISDICTION DEVELOPMENT TRENDS QUESTIONNAIRE

Riverside Community College District is a three-college higher education system serving 1.4 million people living in Riverside County, California. It is the seventh oldest community college in the state and the fifth largest. RCCD colleges are located in the cities for Riverside, Moreno Valley and Norco. The District's service area is over 450 square miles with a wide range of social, economic, and ethnic diversity in one of the most rapidly growing counties in the nation. Colleges and Annex sites sit within 1/2 mile of major California Freeways and Railroad tracks.

Riverside Community College District (RCCD) initiated development of this Hazard Mitigation Plan because of long-standing awareness of the risks associated with natural hazards. The purpose of a hazard mitigation plan is to document the evaluation of hazards and the anticipated risks and damage, to determine how hazards are addressed by the College, and to help the College to identify feasible and cost effective pre-disaster actions to reduce risk. In 2010 the College District drafted a Local Hazard Mitigation Plan, which served as a guiding document in 2010-2011. The information, including the hazard assessment was updated in 2011, with additional input from stakeholders.

1.1 CITY MAP



1.2 GEOGRAPHY AND CLIMATE DESCRIPTION

The jurisdiction climate ranges from extreme heat (100 degrees plus in summer months) to below 40 degrees in winter months. Rain (7-10 inches per year average) and high winds cause occasional hazards.

1.3 BRIEF HISTORY

1900 – 1960s: Opening in September 1916, Riverside Community College District (RCCD) is among the first community colleges in California. In 1924 the first two buildings of the Riverside campus quadrangle were constructed. One was for a library; the other mostly for sciences. These buildings are now historic landmarks and are the oldest buildings dedicated to community college instruction in California. After World War II, veterans needed both review and remedial courses in what today are called basic skills. It was clear that more space was needed, and the college expanded with construction of an Administration Building, the Cutter Park Pool, Landis Auditorium, a women’s gymnasium, and a facility for cosmetology courses. In 1964 the voters approved the creation of the Riverside Community College District and the election of a five member Board of Trustees. The Board of Trustees

took on an ambitious building and property acquisition program to provide adequate space for the growing student, faculty, and staff populations: a library, life science and physical science structures, and a student center, tennis courts, fine arts, ceramics buildings were built. Auto shop and business education buildings would also emerge, as would the Child Development Center.

1980s: The population surge in the Moreno Valley and Corona-Norco areas led the Board to seek major land acquisitions in both those areas. In March 1991 Norco and Moreno Valley campuses opened.

2000s: In 2003, the Board of Trustees determined that it was time to begin the lengthy process leading to accreditation of the Moreno Valley and Norco campuses, under the management of a single district administration and single Board. In January 2010 Moreno Valley and Norco became the 111th and 112th California Community Colleges.

1.4 ECONOMY DESCRIPTION

Jurisdiction is a community college district, and is limited by state and federal funding. RCCD offers more than 100 comprehensive programs to aid students seeking transfer to a 4 year college or university, a 2-year degree, a professional certificate, occupational training, or simply to update their work skills. Preparation of students for the modern workforce extends outside the classroom to include partnerships with leading businesses, resulting in the development of specialized high tech programs and freestanding centers of learning that attract both traditional and non-traditional students. Some 368 full-time faculty and 831 associated faculty, together with 703 professional and support staff are involved in the continual development of programs to prepare a qualified workforce for the 21 century.

1.5 POPULATION AND HOUSING

The population of area served by Riverside Community College District, which is reasonably calculated by adding the census counts from the cities of Moreno Valley, Norco, Riverside and Corona is 676,673. Riverside Community College District's Fall 2016 enrollment exceeded 35,000. A diverse student body reflects the surrounding workforce. In 2016, 39% of students were Hispanic, 30% were Caucasian, 10% were African American, 9% were Asian/Pacific Islanders and 1% were Native American. The following charts provide additional information on the population of Riverside Community College District:

1.6 BRIEF STATEMENT OF UNIQUE HAZARDS

Riverside Community College District shares the same hazards as the outlying area. Earthquakes, Wildfires, Flooding, Extreme Weather, Hazardous Materials, Power outages, Civil Unrest and Terrorism are some of the major hazards that face the District. These hazards will be discussed more thoroughly in this plan.

1.7 DEVELOPMENT TRENDS AND LAND USE

All properties of the RCCD multi-college district are used for the explicit purpose of the facilitation of higher education to the local population. Riverside City College is currently (2017) undergoing a Facilities Master Plan revision that will result in the repurposing, remodeling, deconstruction, and construction of buildings to support the higher education mission. The new Charles Kane Administration Building was completed in early 2017. The balance of the construction projects will serve to increase the efficiency of the college as a whole while focusing on ADA retrofits and access considerations. Norco College and Moreno Valley College will likely undergo similar master plan revisions in the near future.

The Culinary Arts Academy and District Office (CAADO) building was completed and occupied in March 2016. The Centennial Plaza complex also houses the remodeled Center for Social Justice and the Coil School for the Arts (CSA). This complex serves as the District Headquarters and provides two new educational facilities serving our music and culinary programs. RCCD's construction of new facilities will depend largely upon the availability of funding and the outcome of the strategic planning and management process.

LOCAL JURISDICTION DEVELOPMENT TRENDS QUESTIONNAIRE

LAND USE ISSUES - COMPLETE THE INFORMATION BELOW

JURISDICTION:	DOES YOUR AGENCY HAVE RESPONSIBILITY FOR LAND USE AND/OR DEVELOPMENT ISSUES WITHIN YOUR JURISDICTIONAL BOUNDARIES? YES X NO		
	2012 DATA	2017 DATA	2022
Current Population in Jurisdiction or Served	37,500	39,000	Projected Population in Jurisdiction or Served - in 2022 40,000
Current Sq Miles in Jurisdiction or Served	4 sq miles		Projected Sq Miles in Jurisdiction or Served - in 2022 4 sq miles
Does Your Jurisdiction have any ordinances or regulations dealing with disaster mitigation, disaster preparation, or disaster response?	YES	YES	If yes, please list ordinance or regulation number.
<i>What is the number one land issue your agency will face in the next five years</i>			
Approximate Number of Homes/Apts/etc.	0	0	Projected Number of Homes/Apts/etc. - in 2022 0
Approximate Total Residential Value	0	0	Projected Residential Total Value - in 2022 0
Approximate Number of Commercial Businesses	0	0	Projected Number of Commercial Businesses - in 2022 0
Approximate Percentage of Homes/Apts/etc in flood hazard zones	0	0	Approximate Percentage of Homes/Apts/etc in flood hazard zones - in 2022 0
Approximate Percentage of Homes/Apts/etc in earthquake hazard zones	0	0	Approximate Percentage of Homes/Apts/etc in earthquake hazard zones - in 2022 0
Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones	0	0	Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones - in 2022 0
Approximate Percentage of Commercial Businesses in flood hazard zones	0	0	Approximate Percentage of Commercial Businesses in flood hazard zones - in 2022 0
Approximate Percentage of Commercial Businesses in earthquake hazard zones	0	0	Approximate Percentage of Commercial Businesses in earthquake hazard zones - in 2022 0
Approximate Percentage of Commercial Businesses in wildland fire hazard zones	0	0	Approximate Percentage of Commercial Businesses in wildland fire hazard zones - in 2022 0
Number of Critical Facilities in your Jurisdiction that are in flood hazard zones	0	0	Projected Number of Critical Facilities in your Jurisdiction that are in flood hazard zones - in 2022 0
Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones	0	0	Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones - in 2022 0
Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones.	0	0	Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones - in 2022 0
Does your jurisdiction plan on participating in the County's on-going plan maintenance program every two years as described in Part I of the plan?	YES	YES	If not, how will your jurisdiction do plan maintenance?
Will a copy of this plan be available for the various planning groups within your jurisdiction for use in future planning and budgeting purposes? YES			Yes or No

Projected Sq Miles in Jurisdiction or Served -

SECTION 2.0 - PLANNING PROCESS

2.1 LOCAL PLANNING PROCESS

Representatives from multiple District departments met to identify and prioritize appropriate mitigation strategies. District Emergency Planning teams and other personnel helped in the initial construction of the 2012 plan which serves as the model for the 2017 plan. All departments within the District will be instrumental in maintaining, reviewing and assessing of the plan. Personnel involved in the model program planning included senior management and staff from the each of the colleges, District Police, faculty, The Riverside Community College District Foundation, Information Services, Disabled Student Services, Chancellor's Office, Facilities Planning and Development, Diversity and Human Resources, and Business and Financial Services.

In anticipation of the Local Hazard Mitigation Plan and the revision of the District's EOP, the District Emergency Planning teams have discussed general priorities. The District identified mitigation strategies, prioritized said strategies, and reviewed preliminary budgets and potential funding sources for strategies designated as "high" priority. These strategies have been inserted into the District's risk management strategic planning process and were either implemented, or will be implemented during this plan cycle.

Planning Team Members

<u>Position</u>	<u>Department</u>
Director, Risk Management, Safety & Police	Risk Management
Manager, Safety & Emergency Planning	Risk Management
Chief of Police	Safety & Police
Coordinator, Casualty Claims	Risk Management

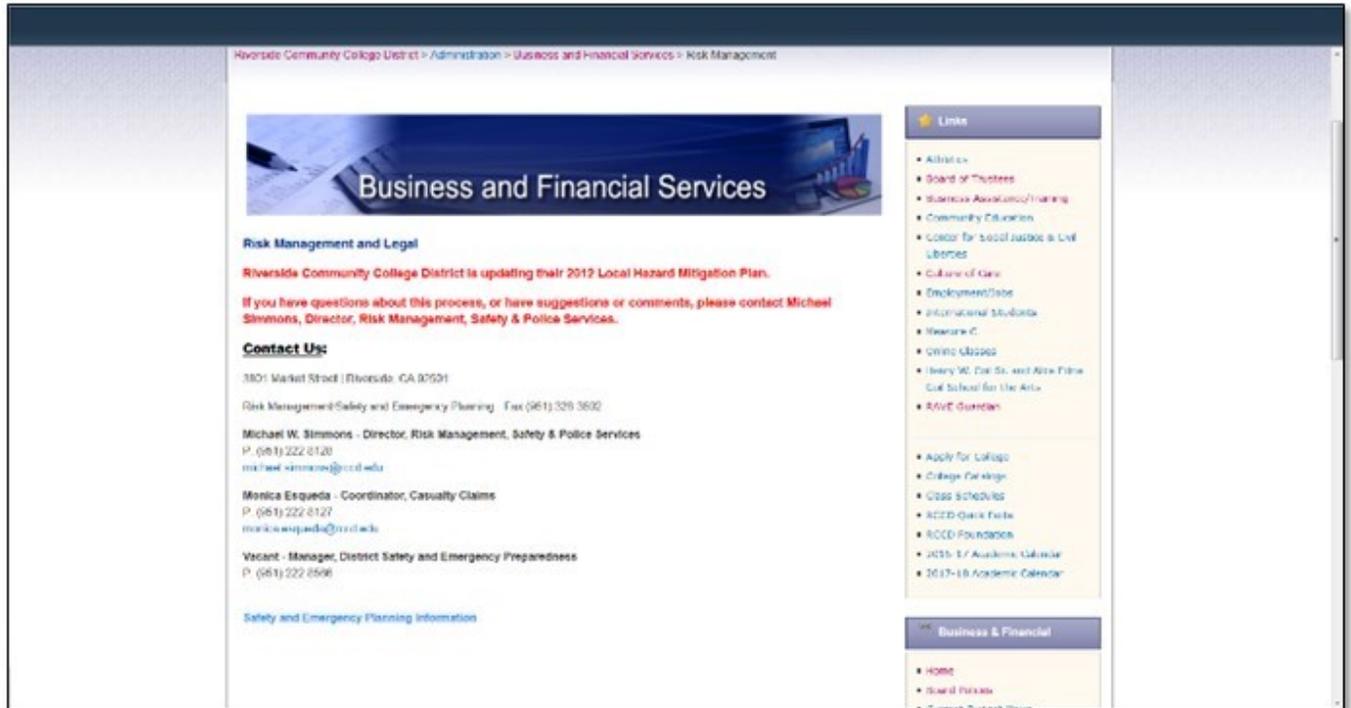
Team members were invited to participate in the planning process using several communication modalities to include e-mail, phone, cell phone, and text messaging. The participation of these team members was based on their expertise and understanding of the disaster and emergency planning and preparedness process.

2.2 PARTICIPATION IN REGIONAL (OA) PLANNING PROCESS

The Riverside Community College District's Chancellor, Dr. Michael Burke, submitted a letter of commitment and participation form to Riverside County and Cal OES on June 1, 2016 with RCCD's intention to participate in the Riverside County Multi-Jurisdictional Hazard Mitigation Plan. In addition, the Riverside Community College District has provided written and oral comments on the multi-jurisdictional plan and provided information. The RCCD Risk Management, Safety & Police Services reached out to the EMD on several occasions during the plan preparation process to discuss plan format, minimum plan requirements, and deadlines needed to achieve timely approval and implementation of the plan. The communications occurred between the Director of Risk Management and The Heath Education Assistant II. These communications occurred in February, March, May, and June of 2017.

2.3 DATES AVAILABLE FOR PUBLIC COMMENT

The RCCD Risk Management, Safety & Police Services Department posted a notice to the public side of the RCCD website notifying the public that any comments or suggestions should be submitted to the Director, Risk Management, Safety & Police. The posting remained visible to the public from May 18, 2017 to June 20th, 2017.



2.4 PLANS ADOPTED BY RESOLUTION

Upon approval by FEMA, the LHMP will be presented to the Riverside Community College District Board of Trustees in a public meeting for adoption via an official Resolution.

SECTION 3.0 – MITIGATION ACTIONS/UPDATES

3.1 UPDATES FROM 2012 PLAN

No new hazards were identified in RCCD's jurisdiction that were not considered and addressed in the 2012 plan.

3.2 LIST OF COUNTY AND CITY HAZARDS

The District accepts the descriptions and general assessments of the hazards that are contained in the Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan. The hazards were discussed by the planning committee, with emphasis on hazards that have – or that might – affect the District. The following summarizes the discussions for specific hazards:

Wildfire: Two of our Colleges are located next to Wildland Fire hazard areas. The hill behind Moreno Valley College (on college property) has experienced an arson event in the past. The District complies with the City & County's outdoor burning rules.

Earthquake: Riverside Community College District is located in Seismic Hazard Zone. The nearest active earthquake faults are located with 1 mile of the District. Jurisdiction has experienced several noticeable ground movement incidents, such as from the 5.9 Chino Earthquake in July 2008 and the 7.2 Mexicali Easter Day 2010 earthquake, but no local damage was sustained. In recent years, the colleges have not sustained damage due to an earthquake. The buildings at RCCD are Field compliant, but at various levels depending on the year they were built. All have been DSA approved.

Hazardous Materials: All of the District sites house hazardous materials. The Colleges house the largest quantities. All facilities departments, and those in the Science Departments, are trained in handling hazardous materials. In addition, some of the police department, including the emergency manager have been trained in CBRNE events. The Surface Naval Warfare Center is located next to Norco College. A secure facility, the Center states on its website "NSWC Corona Division is comprised of three Centers of Excellence, four departments, and more than 950 scientists and engineers, 700 contractors, and one of the Navy's largest scientific and engineering computer operations. More than 180 critical programs are assigned to the Center with about \$180 million dollars of annual expenditures."

Transportation Emergencies: All our district sites are susceptible to transportation emergencies, small or large. Two colleges and the district office are located within ½ mile of a major California Freeway. Riverside City College is next to major Railroad Tracks carrying items from Southern California Ports to the rest of the country. Of particular concern is the large number of liquefied petroleum gas vessels that are transported on the transportation systems. A derailment and fire, with large exploding liquefied petroleum gas vessels, could cause widespread damage to the colleges, as has happened in other communities across the country. Large quantities of hazardous materials travel on this track and are stored and used in the surrounding areas. Ben Clark Training Center Annex site is located next to March Air Force Base, and is in the flight path of planes destined for the base.

Power Failure: Although there are frequent power outages, especially associated with thunderstorm activity, these events rarely last more than six hours. Some emergency lighting system batteries last only an hour or less; backup batteries for fire alarms in some buildings should last 12 hours or less. Back-up generators are available.

Rainfall/Flooding. Riverside City College has a flood zone which flows through the campus. All facilities departments conduct regular maintenance on the flood channel, gutters, roofs and drainage systems. Norco College, Moreno Valley College and the Alumni House have had flooding and rain damage. RCCD Facilities departments are especially diligent when notice of rain is on the forecast.

Extreme Weather: Both cold and hot weather has caused power outages and brown-outs. Classes have been cancelled due to power outages. There is a risk of damaged equipment and supplies.

Jail and Prison Incidents: Although Riverside Community College District does not house a jail or prison, the colleges have short term detention facilities designed to house an offender prior to transport to the County Jail. The District has a POST-certified police department of 23 sworn officers to man the detention centers. A county detention facility is located adjacent to Norco College. If a critical incident at the prison occurred, the effects of the incident could may impact the college.

Hurricanes, Tropical Storms, Tornadoes: Although the campus has not experienced extreme damage due to high winds in the recent years, high winds have caused some local damage, such as downed trees, powerlines damaged by falling palm fronds, and some window damage caused by wind-borne debris and wind pressure. A Tornado went through the Ben Clark Training center in 2008. Although Ben Clark did not sustain any damage, nearby a railroad car was overturned.

Landslides: Landslides are common in Southern California during high rain periods. A landslide is a geologic hazard where the force of gravity combines with other factors to cause earth material to move or slide down an incline. Some landslides move slowly and cause damage gradually, whereas others move so rapidly that they can destroy property and take lives suddenly and unexpectedly. Slopes with the greatest potential for sliding are between 34 degrees and 37 degrees. Although steep slopes are commonly present where landslides occur, it is not necessary for the slopes to be long. Riverside Community College District has several slope that is of concern for a landslide. Although there is slight possibility of landslides at Moreno Valley College and Norco College, Riverside City College has the largest number of slopes.

Civil Unrest/Student Riots/Protests: As California deals with its economic crisis, individuals and groups are becoming more discontent with the situation. The threat of violent protests or uprisings is an increasing concern. The District may need to raise tuition, which usually increases student's anxiety and anger.

Drought: The District adheres to the local water provider outside water restrictions during a declared drought. The facilities department immediately repairs broken water pipes/vessels.

Pandemic Influenza: As a public entity where large groups of individuals gather, the Community College District is susceptible to a pandemic influenza. RCCD students have large networks of friends and families outside of the college (siblings in the k-12 education system, church, sports, etc.). Many of our students have family/friends in the country of Mexico and frequently travel there for visits. In order to not be penalized Students and faculty come to classes even if they are sick. These networks, travel and school/work habits can lead to unhealthy results. The District has placed “healthy hygiene” flyers in all public areas. The RCCD Health Services department provides immunizations, hand sanitizers and education on staying healthy. During flu season, constant reminders are sent to staff, faculty and students via email.

Terrorism: Although the District or Colleges are not likely targets of most terrorist groups, there is the more likely threat of an active shooter. However, Norco College is located next to the Surface Naval Warfare Center which houses “three Centers of Excellence, four departments, and more than 950 scientists and engineers, 700 contractors, and one of the Navy’s largest scientific and engineering computer operations. More than 180 critical programs are assigned to the Center with about \$180 million dollars of annual expenditures.” Riverside City College lies in Downtown Riverside, which might be considered a higher terrorist target. The ultimate concern in this area is an active shooter or aggressive individual on campus. Community Colleges are open campuses and therefore are susceptible to any individual coming onto campus. Our colleges have had several incidents with violent individuals in the past.

3.3 NEW HAZARDS OR CHANGES FROM 2012

The District is not revising the list of hazards, or mitigation strategies for the hazards, in this plan.

3.4 MITIGATION PROJECT UPDATES

The District is including mitigation strategies designed to increase the scope of our capabilities to recover and restore operations after an emergency. It is the District’s intent to expand our ability to offer a safe haven to effected populations after an emergency and to network with other community college districts for the purpose of managing (1) the operation of the college during and after an emergency and (2) manage the emergency itself. The two new strategies include:

- Comprehensive Business Continuity Planning
- Mutual Aid Agreements and Networking with Local Community College Districts

The mitigation strategies will be discussed in detail later in this plan.

SECTION 4.0 - HAZARD IDENTIFICATION AND RISK ASSESSMENT

4.1 CRITICAL FACILITIES AND INFRASTRUCTURES

Critical Facilities Type	Number
Public Safety Dispatch	1
Emergency Operations Center	4
City Hall	0
Fire Stations	0
Water Reservoirs	0
Water Treatment Plants	0
Waste Water Treatment Plants	0
Hospitals (Health Care Facilities)	3
Police facility	3
Maintenance Yards	3
Senior Community Centers	0
Schools	8
Radio Repeaters	3

4.2 ESTIMATING POTENTIAL LOSS

As presented in Section 1.6 of this plan, RCCD may experience losses from a variety of hazards. Losses from these hazards could range from minimal operational interruptions to catastrophic destruction of all buildings and infrastructure. In addition to the potential for loss of life and property loss, the District could incur liability from numerous sources and stakeholder groups. Business interruption losses could exponentially increase the loss exposure to the District. It is estimated that a catastrophic loss to all structures, including loss of life, and business interruption could reach \$1B or more.

4.3 TABLE OF REPLACEMENT VALUES

Name of Asset	Replacement Value (\$)	Contents Value (\$)	Hazard Specific Info.
Riverside City College	192,047,000	39,812,000	Older buildings, Near Railroad tracks and major freeway, flood channel, near downtown, steep slopes, high winds.
Alumni House	591,000	84,000	Older building, near railroad tracks and major freeway
Moreno Valley College	33,184,000	9,946,000	Flooding, wildland behind campus, winds
Norco College	48,037,000	7,271,000	Wildland behind campus, next to Surface Naval Warfare Center, Near major freeways
Spruce Street District Office	4,968,000	3,555,000	Near major freeways and railroad tracks, older building, high winds
Rubidoux Annex		105,940	Portable buildings, high winds, located on high school campus
Corona Annex	2,500,000	124,320	Older building, flooding
Stokoe Annex	1,750,000	92,000	Older building, flooding
RCCD Systems Offices	6,516,000	566,000	New building standards.

4.4 IDENTIFICATION OF RISKS AND VULNERABILITIES

1. Flood Severity 3 | Probability 3 | Ranking 7

Riverside City College has a flood zone which flows through the campus. All facilities departments conduct regular maintenance on the flood channel, gutters, roofs and drainage systems. Norco College, Moreno Valley College and the Alumni House have had flooding and rain damage. RCCD Facilities departments are especially diligent when notice of rain is on the forecast. Past hazard occurrences for floods include severe flooding of the Riverside City College campus in December 2010 and August 2013.

2. Wild Fire Severity 3 | Probability 4 | Ranking 18

Two of our Colleges are located next to Wildland Fire hazard areas. The hill behind Moreno Valley College (on college property) has experienced an arson event in the past. The District complies with the City & County's outdoor burning rules.

SECTION 5.0 – COMMUNITY RATING SYSTEM

5.1 REPETITIVE LOSS PROPERTIES

RCCD has not experienced a repetitive loss in our jurisdiction. This section does not apply.

5.2 NATIONAL FLOOD INSURANCE PROPERTIES

RCCD does not currently subscribe to the National Flood Insurance Program. However, RCCD does maintain an insurance program for flood recovery through our Joint Powers Authority, California Schools Risk Management. The District is reviewing the possibility of participating in both the National Flood Insurance Program and the Community Rating System. Riverside Community College District has not participated in the Community Rating System. The District is reviewing the possibility of participating in both the National Flood Insurance Program and the Community Rating System.

SECTION 6.0 - CAPABILITIES ASSESSMENT

Capabilities are the programs and policies currently in use to reduce hazard impacts or that could be used to implement hazard mitigation activities. This capabilities assessment is divided into five sections –

6.1 REGULATORY MITIGATION CAPABILITIES

Regulatory Tool	Yes/No	Comments
Emergency Operations Plan	Yes	2008, Under revision. Anticipated implementation 2018.
Building code	Yes	Federal, State and Local codes
Capital Plan	Yes	Five-year plan; updated annually
Access and Functional Needs Review	Yes	District Annual Program Review
Health Codes	Yes	Federal, State and Local codes
Board and Administrative Policy	Yes	
Safety Audits (OSHA required)	Yes	Completed by College Safety Committees, College Insurance Carriers and Emergency Planning and Preparedness Coordinator

The District's Emergency Operations Plan was approved in 2008. It is currently being revised.

The Riverside Community College District's Emergency Operations Plan (EOP) addresses the challenges and responsibilities of pre-event mitigation and post-event recovery in addition to preparedness and response. It conforms to the tenets of the National Incident Management System and California State Emergency Plan and the Standardized Emergency Management System.

The purpose of EOP is to provide the framework for coordination and full mobilization of the district site, colleges, and external resources. It clarifies strategies to: 1) prepare for, 2) respond to, and 3) recover from an emergency or disaster incident that could impact the district, the campuses, or the region. As part of this strategy, the EOP:

Identifies authorities and assigns responsibilities for planning, response, and recovery activities;

Identifies the scope of potential hazards that form the basis for planning;

Establishes the emergency management organizational structure that will manage the response;

Identifies those divisions or departments of the [name] College District tasked with specific responsibility for carrying out the plans and operations defined with the Annexes of this plan;

Identifies other jurisdictions and organizations with whom planning and emergency response activities should be coordinated; and

Outlines the process of disseminating emergency information and instructions to the college’s population.

This Plan is a dynamic document. An annual assessment process, accompanied by rigorous testing and review, will ensure that this Plan does not become just another “manual on the shelf.”

6.2 ADMINISTRATIVE/TECHNICAL MITIGATION CAPABILITIES

Personnel Resources	Yes/No	Department/Position
Planner/engineer with knowledge of land development/land management practices	Yes	Vice Chancellor, Facilities Planning and Development Director of Construction (2)
Engineer/professional trained in construction practices related to buildings and/or infrastructure	Yes	Vice Chancellor, Facilities Planning and Development Director of Construction (2)
Planner/engineer/scientist with an understanding of natural hazards	Yes	Vice Chancellor, Facilities Planning and Development Director of Construction (2)
Personnel skilled in GIS	No	
Full time building official	No	
Floodplain manager	No	
Emergency manager	Yes	Risk Management, Safety and Police
Grant writer	Yes	
Other personnel	Yes	

GIS Data—Land use	No	
GIS Data—Links to Assessor’s data	No	
Building Captains	Yes	
Facilities Manager	Yes	
Warning systems/services (Reverse 9-11, outdoor warning signals)	No	
Risk Manager	Yes	Contract with outside consultant
Other		

6.3 FISCAL MITIGATION CAPABILITIES

Financial Resources	Accessible/Eligible to Use (Yes/No)	Comments
Community Development Block Grants	Yes	Through Grant process only
Capital improvements project funding	Yes	In order to be used for Hazard Mitigation, these funds would have to be de-designated from their intended use.
Authority to levy taxes for specific purposes	No	
Fees for water, sewer, gas, or electric services	No	
Impact fees for new development	No	
Incur debt through general obligation bonds	Yes	The District has issued General Obligation bonds and has authorization to issue more. Most of these funds, including the yet-to-be-issued bonds are already committed. There is a small amount of officially “uncommitted” funds but there are plans to officially commit these for a specific use. The District has the ability to issue more

bonds in the future (years down the road) which could be used for HM.	
Incur debt through special tax bonds	No
Incur debt through private activities	No
Withhold spending in hazard prone areas	No
Other	

6.4 MITIGATION OUTREACH AND PARTNERSHIPS

Riverside Community College District works with Riverside County and the City of Riverside, City of Norco and City of Moreno Valley to implement and manage mitigation and preparedness efforts. The District also works with the Disaster Resistant California Community Colleges and the Southern California Higher Education Emergency Managers Networking Group in planning for mitigation of hazards. These groups provide critical needed support in dealing with hazards, completing plans, and preparing for disasters. The District has implemented mitigation efforts in the past. Examples that were not covered elsewhere in this section include the installation of auxiliary power sources for technological needs. Networking Operations Centers at Moreno Valley and Norco Colleges, which are under development, will serve as back-up sites for Information Services.

6.5 FUNDING OPPORTUNITIES

RCCD utilizes a combination of general fund and parking fund resources to provide funding resources for this plan. Each element of the plan will be addressed through Annual Program Review (DAPR) process with the goal of allocating funding to implement plan actions and maintain the actions taken by the District.

SECTION 7.0 - MITIGATION STRATEGIES

7.1 GOALS AND OBJECTIVES

The following Mitigation Strategies are being addressed in the Goals and Objectives section of Riverside Community College District's Local Hazard Mitigation Plan. **These were prioritized as "High" in the 2012 "JURISDICTION MITIGATION STRATEGIES AND GOALS" Chart** and the balance of plan objectives are detailed here.

- Mitigation Planning (i.e. update building codes, planning develop guidelines, etc.)
- Development and implementation of mitigation education programs
- Development or improvement of warning systems

Future Mitigation Actions and Priorities

The planning team for RCCD identified and prioritized the following mitigation actions based on prior planning assessments. The 2012 LHMP was used as a basis for many discussion and decisions. The resulting goals and strategies to address the highest priority items were developed or ratified (if existed previously) and the decisions were based on

1. The hazards identified in District Meetings and the 2012 Local Hazard Mitigation Plan;
2. The confidence level the District could achieve the strategy, goal, or objective;
3. The availability of funding sources for the initiatives.

Funding is a critical element for emergency preparedness and mitigation at the Riverside Community College District. The goals today are to help stakeholders understand the hazards that RCCD and the larger community face, so individual departments can take measures to secure offices, classrooms and private property.

Goal 1 addresses the need to expand our communications reach and perfect our ability to communicate with our stakeholders, faculty, staff, community members, and local agencies.

Goal 2 addresses need to protect operations and our ability to support the needs of the community in the form of continuity of the business in the event of an emergency.

Goal 3 addresses our commitment to the development of a network of community college resources designed to be activated in an emergency, thus providing redundancy and a breadth of resources the District cannot muster alone.

Goal 1: Increase Emergency Communications and Proficiency

Strategy: Integrate the mass notification with the siren and voice system and train all stakeholders on deployment and response to a communication from the system.

Objective 1.1 – Integrate the two systems to form a seamless communication flow to all stakeholders including the local community.

Objective 1.2 – Train and drill the integrated system until it becomes second nature and stakeholders respond timely and with proficiency. Seek feedback after testing.

Responsible Parties:	District Safety & Emergency Preparedness Manager, Risk Management Safety & Police Department, CERT Volunteers
Resources:	Rave Mobile Safety system, Siren/Voice System, staff labor
Timeline:	On-Going

Goal 2: Develop and Implement a Comprehensive Business Continuity Program

Strategy: Deploy all available resources, and procure new resources, to help us actively respond and continue to operate during and after an emergency.

Objective 2.1 – Address all IT infrastructure needs and adopt a business continuity program that provides redundancy and service to a select group of administration personnel and our local agency partners.

Objective 2.2 – Create and implement a business operations plan that will allow RCCD to maintain operational levels, continue to serve our FTES and generate revenue, and recover from an emergency in a reasonable amount of time.

Responsible Parties:	District Safety & Emergency Preparedness Manager, Risk Management Safety & Police Department, RCCD IT, and Agility Recovery Team.
Resources:	Agility Recovery; IT labor; staff labor
Timeline:	On-Going

Goal 3: Develop and Implement a Mutual Aid Agreement with Local CCD's

Strategy: Increase RCCD's resource capabilities through a mutual aid agreement with other community colleges in the Southern California area.

Objective 3.1 – Provide additional resources in the form of personnel and services through an agreement “:to act” in the event of an emergency wherein CCD's will come to the aid of a college or university impacted and in need of operational protection and support.

Responsible Parties:	District Safety & Emergency Preparedness Manager, Risk Management Safety & Police Department, and Mutual Aid Committed CCD's.
Resources:	Staff labor
Timeline:	December 2019

7.2 MITIGATION ACTIONS

Flood

The Riverside Community College District, in partnership with the City of Riverside, will work collectively to evaluate the need for a comprehensive creek, storm drain, and wetlands management plan. This plan would identify the collective resources needed to ensure all local creek, storm drain, and wetland run-off areas that could adversely impact District sites are monitored and maintained on a routine basis. Until such time as a collective plan can be prepared and adopted, the District Maintenance & Operations Departments implemented a storm drain monitoring and maintenance program to ensure all flood prone areas proximate to District facilities are cleared of debris and other obstructions that could create flooding conditions during inclement weather. This is especially critical after the 2010 storm channel flood damaged several key areas of the Riverside City College campus. **Lead Agency or Department:** The Riverside Community College District Risk Management, Safety & Police Department. **Timeline:** June 2019 completion.

Wild Fire

As part of the Facility Master Plan at each District site, RCCD evaluates the placement of all new facilities to ensure buildings and other structures are erected in areas with a reduced likelihood of wild fire damage or destruction. High fire areas in the County of Riverside identified in the California Fire Hazard Severity Zone Map are known to the District and the Maintenance & Operations departments. The District is also staffed with a POST Police Department of 26 sworn officers. These officers are highly trained in evacuation and Emergency Operations related to wild fire response. The RCCD Police Department functions as the primary first responder group and will coordinate our wild fire response with state, local, and Federal first responders to mitigate losses to personnel and structures. **Lead Agency or Department(s):** The Riverside Community College District Risk Management, Safety & Police Department, District Facilities Planning Department, and the Maintenance & Operations Departments at each college site. **Timeline:** Currently in place.

Earthquake

Unfortunately, earthquakes are not a preventable event. This fact notwithstanding, the District seeks to reduce the destructive and operationally interruptive forces stemming from an earthquake of any substantial magnitude. The mitigation actions include regular drop, hold, and cover drills across the District to reduce the likelihood of injuries or death. An Operations Continuity Plan is in place and will provide computers, housing, power, and connectivity to more than 100 District staff members to permit RCCD to mitigate business interruptions by locating the administration outside of the affected area. The District will also avail itself to seismic activity and best practices reports and information available through our insurance and safety relationship with the California Schools Risk Management Joint Powers Authority (CSRM JPA). Information gleaned from these reports will be evaluated for action by the District Safety & Security Committee (DSSC). **Lead Agency or Department:** The Riverside Community College District Risk Management, Safety & Police Department. **Timeline:** July 2019 completion (seismic activity reports).

Severe Weather

RCCD has historical understanding that two of the primary adverse impacts of inclement weather on our campuses are (1) flood and (2) tree falls. This plan address our intended mitigation actions for flood in Section 7.2 (above). Tree falls are dangerous and cause substantial damage. The District Maintenance & Operations Departments perform regular tree inspections and mitigation activities (“tree watch”) in an effort to proactively identify potential hazardous conditions. Dangerous trees and shrubbery are selectively and preemptively removed. Additionally, the District is equipped with a mass notification system (Rave). The system is pre-loaded with severe weather notifications to reach every District facility. The CSRJPA provides the District with notifications of any severe weather alerts that could impact our facilities. Redundantly, the Risk Management, Safety & Police Department is networked with local fire and emergency agencies to receive severe weather alert notifications timely and well before situations turn dangerous. **Lead Agency or Department(s):** The Riverside Community College District Risk Management, Safety & Police Department, and the Maintenance & Operations Departments at each college site. **Timeline:** Currently in place.

Hazardous Materials

All District facilities are included in the RCCD Hazardous Communications and Chemical Management plans. All District personnel working with chemical agents are trained in the need to maintain strict compliance with chemical handling procedures, HazMat release prevention measures, Personal Protective Equipment (PPE) use, chemical and hazardous materials storage protocols, and the Injury & Illness Prevention Program (I&IPP). All OSHA signage training requirements are managed effectively. Redundantly, the Risk Management, Safety & Police Department is networked with local fire and emergency agencies to respond to any chemical or hazardous material releases or exposures in a timely manner. **Lead Agency or Department(s):** The Riverside Community College District Risk Management, Safety & Police Department, District Facilities Planning Department, and the Maintenance & Operations Departments at each college site. **Timeline:** Currently in place.

Technical Hazards

RCCD Maintenance and Operations personnel maintain a steadfast preventative maintenance system to prevent losses from interruptions to the operation by technical faults or system failures. The District also maintains system redundancy for critical functions in this area. **Lead Agency or Department(s):** The Riverside Community College District Risk Management, Safety & Police Department, District Facilities Planning Department, and the Maintenance & Operations Departments at each college site. **Timeline:** Currently in place.

Dam Failure

Not applicable.

Drought

The District adheres to the local water provider outside water restrictions during a declared drought to support the adverse effects of drought-related calamities. The Maintenance &

Operations Departments are required to immediately repair broken water pipes/vessels and to monitor all sites for evidence of water loss at the foundation levels of structures. **Lead Agency or Department(s):** The Riverside Community College District Risk Management, Safety & Police Department, District Facilities Planning Department, and the Maintenance & Operations Departments at each college site. **Timeline:** Currently in place.

RCCD's progress against the 2012 plan is substantial. Since the submission of the previous plan, RCCD has procured and implemented a mass notification system known as the Rave Mobile Safety system. The system is a multi-modality, web-based system that can generate a message to virtually unlimited number of students, faculty, staff, and community members in minutes. The system complements a new siren and voice system that can project an emergency message over four (4) miles into the surrounding community. Both systems have been tested individually and together and have performed admirably achieving a communication saturation of over 95%.

RCCD also integrated the Risk Management Department and the District Police Department to form the Risk Management, Safety & Police Department. The integrated department is focused on the prevention of loss through the prevention side of the mission and tactical response and mitigation strategies for all incidents that may occur notwithstanding our prevention measures.

With the opening of our new District office building at Market St. and University in Downtown Riverside, RCCD demonstrated its commitment to the design and construction of state-of-the art facilities with space and resources allocated to Emergency Operations planning and a dedicated Emergency Operations Center. The EOC is supported by a mobile EOC function that allows RCD to move it in the event of catastrophic loss to the building.

The balance of the goals and objectives from the 2012 plan are renewed here and captured in the goals and objectives section in Section 7.1 above.

7.3 ON-GOING MITIGATION STRATEGY PROGRAMS

See Section 7.1 Above.

7.4 FUTURE MITIGATION STRATEGIES

The RCCD Risk Management Department is working on a strategic plan for future plan years. When the strategic plan is adopted, all mitigation strategies will be provided to update this section of the plan.

SECTION 8.0 - PLAN IMPLEMENTATION AND MAINTENANCE PROCESS

Riverside Community College District has several planning mechanisms which can incorporate the LHMP. The Emergency Operations Plan is currently being revised, and will include the Hazard Assessments conducted through this process. The LHMP will serve as the base for developing protocols and procedures for emergency preparedness, response and recovery. The EOP is being developed by a multi-disciplinary group of individuals from different departments, all three colleges and the district. The Emergency Operations Plan is also working with the RCCD Human Resources and Employee Relations (HRER) department to ensure individuals with functional and access needs are addressed. In turn, the District Safety & Emergency Preparedness Manager works with the HRER Department in developing strategies to ensure the safety of our individuals with functional and access needs. The Local Hazard Mitigation Plan will assist in developing further strategies to keep all individuals safe.

Scheduled Plan Maintenance Process: RCCD will monitor and evaluate our LHMP on a Bi-Annual basis. Over the next 5 years, RCCD will review the LHMP. In addition to on-going mitigation awareness and strategies being implemented, the RCCD Local Hazard Mitigation Plan will be reviewed on or before **June 2018, January 2020, and June 2021** and will be updated as needed. The District Safety & Emergency Preparedness Manager will schedule meetings with the District Safety and Emergency Planning Team. The District Emergency Planning Team will assess, among other things, whether:

- The goals and objectives address current and expected conditions.
- The nature, magnitude, and/or type of risks have changed.
- The current resources are appropriate for implementing the plan.
- There are implementation problems, such as technical, political, legal, or coordination issues with other agencies.
- The outcomes have occurred as expected (a demonstration of progress).
- The agencies and other partners participated as originally proposed.

If the Planning Team discovers changes have occurred during the evaluation, RCCD will update the LHMP Revision Page, and notify Riverside County OES to update our Annex. Our Risk Management, Safety & Police Department will be in charge of the monitoring, evaluating and updating of the LHMP, with input from our District Emergency Planning Team.

8.1 PROCESS FOR PLAN INTEGRATION

The District Safety & Security Committee (DSSC), comprised of representatives from every stakeholder group, will work with Emergency Operations Center personnel from the Risk Management, Safety & Police Services Department to integrate the Local Hazard Mitigation Plan into the District's formal Emergency Operations Plan. The Local Hazard Mitigation Plan will be activated as part of the District's response and recovery activities for emergency operations. The LHMP serves as the resiliency component of the Emergency Operations Plan wherein the District will demonstrate its ability to recover from an emergency using the mitigation actions identified in the LHMP. The LHMP will be trained out with the District stakeholder groups and evaluated as part of the larger EOP process.

8.2 PREVIOUS PLAN INTEGRATION RESULTS

Previous LHMP plan elements were integrated into the revision efforts for the District's Emergency Operations Plan (EOP), Injury & Illness Prevention Program (I&IPP), Hazardous Communications Program, Chemical Management Program, and the Crisis Communications protocols. The LHMP proactive planning elements were also used to support the development of the District Safety & Security Committee (DSSC), the Safety & Emergency Planning Committees at the colleges, and the new College Safety Coordinator positions (3) residing at the college campuses. The LHMP was included in the development of Facilities Masters plans and the revised American's with Disabilities Act (ADA) Transition Plan. The LHMP plan from previous years has been used to evaluate facility and personnel concerns District-wide in various planning committees and safety programs.

SECTION 9.0 - CONTINUED PUBLIC INVOLVEMENT

After the District Emergency Planning Team conducts the Scheduled Plan Maintenance Process, RCCD will notify the public of any changes/no change in the LHMP Plan by presenting our progress at a Board of Trustees meeting, posting on the District website, and/or by sending out an email to all RCCD stakeholders.

APPENDIX A – PUBLIC NOTICES AND MAPS

SEE ATTACHMENTS

Riverside Community College District > Administration > Business and Financial Services > Risk Management

Business and Financial Services

Risk Management and Legal

Riverside Community College District is updating their 2012 Local Hazard Mitigation Plan.

If you have questions about this process, or have suggestions or comments, please contact Michael Simmons, Director, Risk Management, Safety & Police Services.

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[Safety and Emergency Planning Information](#)

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- [RAVE Guardian](#)

Business & Financial

- [Home](#)
- [Board Policies](#)

APPENDIX B – INVENTORY WORKSHEETS

SEE ATTACHMENTS

APPENDIX C – PLAN REVIEW TOOL/CROSSWALK

SEE ATTACHMENTS