

PART II

CITY OF
MORENO VALLEY

Part II Evaluation Requirements Cross Reference Table For Local Submitting Jurisdictions

Category of Requirement	Federal Emergency Management Agency (FEMA) / California Office of Emergency Services (OES) Evaluation Requirement & Statutory Authority	Submitting Local Jurisdiction Response Section Location
Prerequisite for Multi-Jurisdictional Plan	Adoption by Local Governing Body for Each Jurisdiction	Part II, Local Resolution
Risk Assessment	Identifying Hazards: §201.6(c)(2)(i)	Part II, Hazard Identification and Summary
	Profiling Hazards: §201.6(c)(2)(i)	Part II, Hazard Identification and Summary
	Assessing Vulnerability: Overview: §201.6(c)(2)(ii)	Part II, Vulnerability Worksheet
	Assessing Vulnerability: Structures: §201.6(c)(2)(ii)(A)	Part II, Hazard Identification and Summary Section, and Vulnerability Worksheet
	Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)	Part II, Summarized HAZUS Results
Mitigation Strategy	Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(c)	Part II, Development Trends Questionnaire
	Local Hazard Mitigation Goals: §201.6(c)(3)(i)	Part II, Mitigation Goals Worksheet
	Identification and Analysis of Mitigation Actions: §201.6(c)(3)(ii)	Part II, Mitigation Goals Worksheet
	Implementation of Mitigation Actions: §201.6(c)(3)(iii)	Part II, Proposed Mitigation Action and Strategy Proposal
	Monitoring, Evaluating, and Updating the Plan: §201.6(c)(4)(i)	Part I Pages 174-175 Part II - Development Trends Questionnaire
Plan Maintenance Process	Incorporation into Existing Planning Mechanisms: §201.6(c)(4)(ii)	Part I Pages 174-175 Part II - Development Trends Questionnaire
	Continued Public Involvement: §201.6(c)(4)(iii)	Part I Page 174 - 175
		Part II - Development Trends Questionnaire
		Part I Page 175 Part II - Development Trends Questionnaire

EXPLANATION OF PART II FORMS

<p>Hazard Identification and Summary</p>	<p>Part I of this form identifies:</p> <ol style="list-style-type: none"> 1. The jurisdiction and the contact person 2. The jurisdiction's size and population 3. Specific disaster and safety planning information for the jurisdiction. <p>Part II of this form identifies:</p> <ol style="list-style-type: none"> 1. Specific known hazards within the boundaries of the jurisdiction. 2. Specific known hazards near or adjacent to the boundaries of the jurisdiction. 3. Specific facilities owned and operated by the jurisdiction. 4. Locations damaged from prior disasters or hazard causing events. 5. Information about the jurisdiction's EOC
<p>Specific Hazards Summary</p>	<p>This table identifies the specific location and hazard information identified by each jurisdiction as a potential threat.</p>
<p>What is HAZUS?</p>	<p>HAZUS (Hazards U.S.) is a GIS-based software used for estimating earthquake losses based on current scientific and engineering knowledge. It was developed under a cooperative agreement by the National Institute of Building Sciences (NIBS) with funding from the Federal Emergency Management Agency (FEMA). This earthquake loss estimation tool is currently in use by communities throughout the United States and provides a planning guide for jurisdictions of the potential physical and economical impact of an earthquake that has occurred in their are</p>
<p>Summarized HAZUS Results</p>	<p>Earthquake risks for each city were assessed in terms of the vulnerability of the population and infrastructure and costs associated with physical and economic damages or destruction. Earthquake scenarios were used based on the major earthquake faults in the County of Riverside.</p> <p>Risk assessments were created only for the cities because of the broad overlay of the special district's boundaries and the specific data available from the cities. Several of the HAZUS and GIS maps contained in Part I of the plan depict potential impact of various hazards throughout the County on the cities and special districts.</p>
<p>Local Jurisdiction Vulnerability Worksheet</p>	<p>This table is a listing of the primary hazards identified by the working groups. Each jurisdiction was asked to evaluate the potential for an event to occur in the specific area of their jurisdiction. They were also asked to evaluate the potential impact of that event on their jurisdiction. The jurisdictions were asked to use a rating of between 0 and 4 (4 being the most severe). The jurisdictions were then asked to rank the hazards as they relate to their jurisdiction from 1 to 19.</p> <p>County OES conducted an extensive evaluation of the severity and probability potential for the county as a whole and those numbers were provided to the jurisdictions as a guide.</p> <p>A separate table was created to address the hazards relating to agriculture and this table can be found in the Agriculture Annex section of Part I of the Plan.</p>

Local Jurisdiction Mitigation Goals	<p>This table is a listing of the various mitigation strategy goals developed by the working groups. Once this list was compiled, each jurisdiction was asked to prioritize that mitigation strategy based upon the needs of each jurisdiction. These were rated as High, Medium, Low, or N/A.</p> <p>A separate set of strategy goals were created to address the hazards relating to agriculture and this table can be found in the Agriculture Annex section of Part I of the Plan.</p>
Local Jurisdiction Proposed Mitigation Action And Strategy Proposal	<p>FEMA required each jurisdiction to go through the process of developing a Mitigation Strategy Proposal. The purpose of this activity was so that each jurisdiction became familiar with the process of determining and identifying a Mitigation Strategy Proposal. This process is used when requesting FEMA Pre-Hazard Mitigation Funds.</p>
Development Trends Questionnaire	<p>This questionnaire identifies specific land use and other information required by State OES and FEMA for each jurisdiction. The land use information asks for current and future data. County OES will use this data for future HAZUS assessments</p>
Crosswalk Review	<p>This is a State OES and FEMA document used to evaluate the contents of the entire plan and each jurisdiction's submittal of information</p>

RIVERSIDE COUNTY MULTI-
JURISDICTIONAL LOCAL HAZARD
MITIGATION AGENCY INVENTORY

City of Moreno Valley

HAZARD IDENTIFICATION AND SUMMARY WORKSHEET

PLEASE PROVIDE THE FOLLOWING INFORMATION

Agency/Jurisdiction:	<input type="text" value="MORENO VALLEY"/>		
Type Agency/Jurisdiction:	<input type="text" value="City"/>		
Contact Person:	Title:	<input type="text" value="Program Manager"/>	
First Name:	<input type="text" value="LeAnn"/>	Last Name:	<input type="text" value="Coletta"/>
Agency Address:	Street:	<input type="text" value="14177 Frederick Street"/>	
	City:	<input type="text" value="Moreno Valley"/>	
	State:	<input type="text" value="CA"/>	
	Zip:	<input type="text" value="92584"/>	
Contact Phone	<input type="text" value="951-413-3809"/>	FAX	<input type="text" value="951-413-3801"/>
E-mail	<input type="text" value="leannc@moval.org"/>		

Population Served	<input type="text" value="150,203"/>	Square Miles Served	<input type="text" value="50"/>
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Does your organization have a general plan?	<input type="text" value="YES"/>
Does your organization have a safety component to the general plan?	<input type="text" value="YES"/>
What year was your plan last updated?	<input type="text" value="6/24/2003"/>

Does your organization have a disaster/emergency operations plan?	<input type="text" value="YES"/>
What year was your plan last updated?	<input type="text" value="6/24/2003"/>
Do you have a recovery annex or section in your plan?	<input type="text" value="YES"/>
Do you have a terrorism/WMD annex or section in your plan?	<input type="text" value="YES"/>

DOES YOUR ORGANIZATION HAVE:

AIRPORT IN JURISDICTION	NO
AIRPORT NEXT TO JURISDICTION	YES
DAIRY INDUSTRY	NO
POULTRY INDUSTRY	NO
CROPS/ORCHARDS	YES
DAMS IN JURISDICTION	YES
DAMS NEXT TO JURISDICTION	YES
LAKE/RESERVOIR IN JURISDICTION	YES
LAKE/RESERVOIR NEAR JURISDICTION	YES
JURISDICTION IN FLOOD PLAIN	YES
CONTROLLED FLOOD CONTROL CHANNEL	YES
UNCONTROLLED FLOOD CONTROL CHANNEL	YES
EARTHQUAKE FAULTS IN JURISDICTION	YES
EARTHQUAKE FAULTS NEXT TO JURISDICTION	YES
MOBILE HOME PARKS	YES
NON-REINFORCED FREEWAY BRIDGES	NO
NON-REINFORCED BRIDGES	NO
BRIDGES IN FLOOD PLAIN	YES
BRIDGES OVER OR ACROSS RIVER/STREAM	NO
ROADWAY CROSSING RIVER/STREAM	NO
NON REINFORCED BUILDINGS	NO
FREEWAY/MAJOR HIGHWAY IN JURISDICTION	YES
FREEWAY/MAJOR HIGHWAY NEXT TO JURISDICTION	YES
FOREST AREA IN JURISDICTION	NO
FOREST AREA NEXT TO JURISDICTION	YES
WITHIN THE 50 MILES SAN ONOFRE EVACUATION ZONE	NO
MAJOR GAS/OIL PIPELINES IN JURISDICTION	YES
MAJOR GAS/OIL PIPELINES NEXT TO JURISDICTION	YES
RAILROAD TRACKS IN JURISDICTION	NO
RAILROAD TRACKS NEXT TO JURISDICTION	YES
HAZARDOUS WASTE FACILITIES IN JURISDICTION	YES
HAZARDOUS WASTE FACILITIES NEXT TO JURISDICTION	YES
HAZARDOUS STORAGE FACILITIES IN JURISDICTION	YES
HAZARDOUS STORAGE FACILITIES NEXT TO JURISDICTION	YES

DOES YOUR ORGANIZATION OWN OR OPERATE A FACILITY

IN A FLOOD PLAIN	NO
NEAR FLOOD PLAIN	NO
NEAR RAILROAD TRACKS	YES
NEAR A DAM	YES
UPSTREAM FROM A DAM	YES
DOWNSTREAM FROM A DAM	YES
DOWNSTREAM OF A LAKE	YES
DOWNSTREAM FROM A RESERVOIR	YES
NEAR A CONTROLLED FLOOD CONTROL CHANNEL	YES
NEAR UNCONTROLLED FLOOD CONTROL CHANNEL	NO
ON AN EARTHQUAKE FAULT	NO
NEAR AN EARTHQUAKE FAULT	YES
WITHIN THE 50 MILE SAN ONOFRE EVACUATION ZONE	NO
IN A FOREST AREA	NO
NEAR A FOREST AREA	NO
NEAR A MAJOR HIGHWAY	YES
A HAZARDOUS WASTE FACILITY	NO
NEAR A HAZARDOUS WASTE FACILITY	YES
A HAZARDOUS STORAGE FACILITY	YES
NEAR A HAZARDOUS STORAGE FACILITY	YES
NON REINFORCED BUILDINGS	NO
A MAJOR GAS/OIL PIPELINE	NO
NEAR A MAJOR GAS/OIL PIPELINE	YES

DOES YOUR ORGANIZATION HAVE ANY LOCATIONS THAT:

HAVE BEEN DAMAGED BY EARTHQUAKE AND NOT REPAIRED	NO
HAVE BEEN DAMAGED BY FLOOD	YES
HAVE BEEN DAMAGED BY FLOOD MORE THAN ONCE	NO
HAVE BEEN DAMAGED BY FOREST FIRE	YES
HAVE BEEN DAMAGED BY FOREST FIRE MORE THAN ONCE	NO
HAVE BEEN IMPACTED BY A TRANSPORTATION ACCIDENT	YES
HAVE BEEN IMPACTED BY A PIPELINE EVENT	NO

**EMERGENCY OPERATIONS INFORMATION
DOES YOUR ORGANIZATION HAVE AN EOC**

YES
NO
NO
YES
YES
YES
YES
YES
YES
YES
YES
YES
YES
NO
YES
NO
NO
NO
YES
NO
NO
YES
NO
YES
NO
YES
NO
YES
YES

IS YOUR EOC LOCATED:

- IN A FLOOD PLAIN
- NEAR FLOOD PLAIN
- NEAR RAILROAD TRACKS
- NEAR A DAM
- UPSTREAM FROM A DAM
- DOWNSTREAM FROM A DAM
- DOWNSTREAM OF A LAKE
- DOWNSTREAM FROM A RESERVOIR
- NEAR A CONTROLLED FLOOD CONTROL CHANNEL
- NEAR UNCONTROLLED FLOOD CONTROL CHANNEL
- ON AN EARTHQUAKE FAULT
- NEAR AN EARTHQUAKE FAULT
- WITHIN THE 50 MILE SAN ONOFRE EVACUATION ZONE
- IN A FOREST AREA
- NEAR A FOREST AREA
- NEAR A MAJOR HIGHWAY
- A HAZARDOUS WASTE FACILITY
- NEAR A HAZARDOUS WASTE FACILITY
- A HAZARDOUS STORAGE FACILITY
- NEAR A HAZARDOUS STORAGE FACILITY
- NON REINFORCED BUILDINGS
- A MAJOR GAS/OIL PIPELINE
- NEAR A MAJOR GAS/OIL PIPELINE

OTHER FACILITY INFORMATION

- ARE THERE LOCATIONS WITHIN YOUR JURISDICTION THAT:
- COULD BE CONSIDERED A TERRORIST TARGET
- COULD BE CONSIDERED A BIO-HAZARD RISK

YES
YES

Specific Hazards Summary

Jurisdiction	Hazard Type	Hazard Name	In Jurisdiction?	Adjacent to Jurisdiction?
MORENO VALLEY	Dam	Lake Perris Dam	No	Yes
MORENO VALLEY	Dam	Perris Dam	Yes	No
MORENO VALLEY	Dam	Pigeon Pass Dam	Yes	No
MORENO VALLEY	Fault	San Jacinto Fault	Yes	No
MORENO VALLEY	Flood Channel	Oleander Channel	Yes	No
MORENO VALLEY	Flood Channel	Perris Valley Channel	Yes	No
MORENO VALLEY	Flood Channel	Quincy Flood Channel	Yes	No
MORENO VALLEY	Hazmat Storage Location	Ammonia	Yes	No
MORENO VALLEY	Hazmat Storage Location	Chlorine	Yes	No
MORENO VALLEY	Hazmat Storage Location	Fuel	Yes	No
MORENO VALLEY	Hazmat Storage Location	Hazardous Waste	Yes	No
MORENO VALLEY	Lake	Lake Perris	No	Yes
MORENO VALLEY	Pipeline	High Pressure Gas Line	Yes	No
MORENO VALLEY	Pipeline	Jet Fuel Line	Yes	No
MORENO VALLEY	Railroad Track	Santa Fe Railroad	No	Yes
MORENO VALLEY	Railroad Track	Union Pacific	No	Yes
MORENO VALLEY	Reservoir	Poor Man's Reservoir	Yes	No

Jurisdiction's Critical Facility Evaluation

In December of 2001, the County of Riverside, in cooperation with local jurisdictions and agencies, developed an Emergency Response Database. This database was created so emergency planners could use the database as a planning tool as well as quickly determine the potential impact an event may have on a community, district, or specific site. During the creation of the Emergency Response Database, contributors were asked to identify critical facilities within their jurisdictions under the following sections:

- Airports
- Community Colleges
- Dams
- Schools
 - Preschools
 - Elementary Schools
 - Middle Schools
 - High Schools
- Fire Stations
- Government Buildings
- Highways
- Hospitals
- Red Cross Shelters
- Law Enforcement Facilities
- Waste Management Sites
- Reservoirs / Water tanks

For each site, the user can identify at a minimum, the address of the site, the type of structure, and the type of occupancy and site contact information.

During the creation of this Multi-Jurisdictional Local Hazard Mitigation Plan, it was determined that the Emergency Response Database could provide vital information for this project and it would be utilized as the source for the identification of critical facilities within hazard areas. To ensure the most up-to-date data was used, all participants involved updated the critical facilities data at the beginning of the Hazard Mitigation Plan project. The critical facility list for this jurisdiction will be reviewed and updated regularly to ensure that the vulnerability of each location is evaluated on a regular basis.

Because of the sensitive nature of the data obtained through this process, address information will not be included in the identification of critical facilities for the protection of all participants.

SUMMARIZED HAZUS RESULTS

Jurisdiction: City of Moreno Valley

Scenario: M6.9 on Northern San Jacinto Fault
Epicenter Near Eastern Moreno Valley

Direct Economic Loss Estimates (thous. \$)	
Structural Damage	\$102,582.50
Non-Structural Damage	\$446,425.42
Building Damage	\$549,007.94
Contents Damage	\$143,035.12
Inventory Loss	\$2,048.62
Relocation Cost	\$2,505.99
Income Loss	\$16,292.15
Rental Income Loss	\$27,786.23
Wage Loss	\$20,935.74
Total Loss	\$761,611.72

Commercial Casualties for Daytime Event	
Medical Aid	80
Hospital Treatment	27
Life-Threatening Severity	4
Death	10

Commuting Casualties for Daytime Event	
Medical Aid	0
Hospital Treatment	0
Life-Threatening Severity	1
Death	0

SUMMARIZED HAZUS RESULTS

Jurisdiction: City of Moreno Valley

Scenario: M6.9 on Northern San Jacinto Fault
Epicenter Near Eastern Moreno Valley

Educational Casualties for Daytime Event	
Medical Aid	59
Hospital Treatment	15
Life-Threatening Severity	2
Death	5

Hotels Casualties for Daytime Event	
Medical Aid	0
Hospital Treatment	0
Life-Threatening Severity	0
Death	0

Industrial Casualties for Daytime Event	
Medical Aid	12
Hospital Treatment	3
Life-Threatening Severity	0
Death	1

Other Residential Casualties for Daytime Event	
Medical Aid	18
Hospital Treatment	4
Life-Threatening Severity	0
Death	1

SUMMARIZED HAZUS RESULTS

Jurisdiction: City of Moreno Valley

**Scenario: M6.9 on Northern San Jacinto Fault
Epicenter Near Eastern Moreno Valley**

Single Family Casualties for Daytime Event	
Medical Aid	31
Hospital Treatment	4
Life-Threatening Severity	0
Death	0

Total Casualties for Daytime Event	
Medical Aid	200
Hospital Treatment	54
Life-Threatening Severity	8
Death	17

LOCAL JURISDICTION VULNERABILITY WORKSHEET

NAME: LeAnn Coletta AGENCY: City of Moreno Valley DATE: 6/30/04

HAZARD	COUNTY		LOCAL JURISDICTION		RANKING 1 - 19
	SEVERITY 0 - 4	PROBABILITY 0 - 4	SEVERITY 0 - 4	PROBABILITY 0 - 4	
EARTHQUAKE	4	3	3	3	3
WILDLAND FIRE	3	4	1	4	1
FLOOD	3	3	2	3	2
OTHER NATURAL HAZARDS					
DROUGHT	3	3	1	4	6
LANDSLIDES	2	3	0	1	16
INSECT INFESTATION	3	4	1	1	15
EXTREME SUMMER/WINTER WEATHER	2	4	1	3	5
SEVERE WIND EVENT	3	3	1	3	4
AGRICULTURAL					
DISEASE/CONTAMINATION	3	4	0	0	18
TERRORISM	4	2	0	0	17
OTHER MAN-MADE					
PIPELINE	2	3	2	1	13
AQUEDUCT	2	3	2	2	2
TRANSPORTATION	2	4	2	1	7
BLACKOUTS	3	4	2	1	11
HAZMAT ACCIDENTS	3	3	2	1	10
NUCLEAR ACCIDENT	4	2	4	1	9
TERRORISM	4	2	4	2	8
CIVIL UNREST	2	2	1	1	14
JAIL/PRISON EVENT	1	2	0	0	19
OTHER - PLEASE DESCRIBE BELOW					

LOCAL JURISDICTION MITIGATION GOALS

Please evaluate the priority level for each listed mitigation activity identified below as it relates to your jurisdiction or facility. If you have any additional mitigation activities or recommendations, please list them at the end of this document.

Place an H (High), M (Medium), L (Low), or N/A (Not Applicable) for your priority level for each activity in the box next to the activity.

EARTHQUAKE

M	Aggressive public education campaign in light of predictions
L	Generate new literature for dissemination to:
L	◇ Government employees
L	◇ Businesses
L	◇ Hotel/motel literature
L	◇ Local radio stations for education
L	◇ Public education via utilities
L	◇ Identify/create television documentary content
H	Improve the Emergency Alert System (EAS)
H	◇ Consider integration with radio notification systems
H	◇ Upgrade alerting and warning systems for hearing impaired
H	◇ Training and maintenance
H	Procure earthquake-warning devices for critical facilities
H	Reinforce emergency response facilities
M	Provide training to hospital staffs
L	Require earthquake gas shutoffs on remodels/new construction
L	Evaluate re-enforcing reservoir concrete bases
H	Evaluate EOCs for seismic stability
L	Install earthquake cutoffs at reservoirs
H	Install earthquake-warning devices at critical facilities
H	Develop a dam inundation plan for new Diamond Valley Reservoir
H	Earthquake retrofitting
H	◇ Bridges/dams/pipelines
H	◇ Government buildings/schools
H	◇ Mobile home parks
L	Develop educational materials on structural reinforcement and home inspections (ALREADY DEVELOPED)
H	Ensure Uniform Building Code compliance
H	◇ Update to current compliance when retrofitting
H	Insurance coverage on public facilities
H	Funding for non-structural abatement (Earthquake kits, etc.)

L	Pre - identify empty commercial space for seismic re-location
L	Electrical co-generation facilities need retrofitting/reinforcement (Palm Springs, others?)
H	Mapping of liquefaction zones
H	Incorporate County geologist data into planning
M	Backup water supplies for hospitals
H	Evaluate pipeline seismic resiliency
L	Pre-positioning of temporary response structures
L	Fire sprinkler ordinance for all structures
N/a	Evaluate adequacy of reservoir capacity for sprinkler systems
N/a	Training/standardization for contractors performing retrofitting
L	Website with mitigation/contractor/retrofitting information
L	◇ Links to jurisdictions
L	◇ Alerting information
L	◇ Volunteer information
L	Evaluate depths of aquifers/wells for adequacy during quakes
H	Evaluate hazmat storage regulations near faults

COMMUNICATIONS IN DISASTER ISSUES

H	Communications Interoperability
H	Harden repeater sites
H	Continue existing interoperability project
H	Strengthen/harden
M	Relocate
M	Redundancy
M	Mobile repeaters

FLOODS

L	Update development policies for flood plains
L	Public education on locations of flood plains
L	Develop multi-jurisdictional working group on floodplain management
L	Develop greenbelt requirements in new developments
M	Update weather pattern/flood plain maps
L	Conduct countywide study of flood barriers/channels/gates/water dispersal systems
L	Required water flow/runoff plans for new development
M	Perform GIS mapping of flood channels, etc.
L	Install vehicular crossing gates/physical barriers for road closure
M	Maintenance of storm sewers/flood channels
M	Create map of flood channels/diversions/water systems etc
L	Require digital floor plans on new non-residential construction

M	Upgrade dirt embankments to concrete
L	Conduct countywide needs study on drainage capabilities
L	Increase number of pumping stations
L	Increase sandbag distribution capacities
L	Develop pre-planned response plan for floods
L	◇ Evacuation documentation
L	◇ Re-examine historical flooding data for potential street re-design
L	Training for city/county PIOs about flood issues
L	Warning systems - ensure accurate information provided
L	◇ Publicize flood plain information (website?)
L	◇ Install warning/water level signage
L	◇ Enhanced public information
L	◇ Road closure compliance
L	◇ Shelter locations
L	◇ Pre-event communications
L	Look at County requirements for neighborhood access
L	◇ Secondary means of ingress/egress
L	Vegetation restoration programs
M	Ensure critical facilities are hardened/backed up
M	Hardening water towers
H	Terrorism Surveillance - cameras at reservoirs/dams
M	Riverbed maintenance
L	Evaluate existing lift stations for adequacy
L	Acquisition of property for on-site retention
L	Evaluate regulations on roof drainage mechanisms
L	Erosion-resistant plants
L	Traffic light protection
L	Upkeep of diversionary devices
L	Install more turn-off valves on pipelines
M	Backup generation facilities
L	Identify swift water rescue capabilities across County

WILDFIRES

M	Aggressive weed abatement program
M	◇ Networking of agencies for weed abatement
M	Develop strategic plan for forest management
M	Public education on wildfire defense
L	Encourage citizen surveillance and reporting
M	Identify hydrants with equipment ownership information
M	Enhanced fire fighting equipment

L	Fire spotter program/red flag program
L	◇ Expand to other utilities
M	Research on insect/pest mitigation technologies
L	Volunteer home inspection program
M	Public education program
M	◇ Weather reporting/alerting
M	◇ Building protection
M	◇ Respiration
M	Pre-identify shelters/recovery centers/other resources
L	Roofing materials/defensive spacing regulations
L	Community task forces for planning and education
M	Fuel/dead tree removal
H	Strategic pre-placement of fire fighting equipment
M	Establish FEMA coordination processes based on ICS
H	Brush clearings around repeaters
L	Research new technologies for identifying/tracking fires
M	Procure/deploy backup communications equipments
M	"Red Tag" homes in advance of event
H	Provide fire-resistant gel to homeowners
L	Involve insurance agencies in mitigation programs
M	Clear out abandoned vehicles from oases
M	Code enforcement
M	Codes prohibiting fireworks
M	Fuel modification/removal
L	Evaluate building codes
M	Maintaining catch basins

OTHER HAZARDS

M	Improve pipeline maintenance
M	Wetlands mosquito mitigation (West Nile Virus)
M	Insect control study
M	Increase County Vector Control capacities
L	General public drought awareness
L	◇ Lawn watering rotation
L	Develop County drought plan
M	Mitigation of landslide-prone areas
L	Develop winter storm sheltering plan
L	Ease permitting process for building transmission lines
L	Evaluate restrictions on dust/dirt/generating activities during wind seasons
L	Rotational crop planning/soil stabilization

L	Enhance agricultural checkpoint enforcement
L	Agriculture - funding of detection programs
M	Communications of pipeline maps (based on need to know)
L	Improved notification plan on runaway trains
L	Improve/maintain blackout notification plan.
L	Support business continuity planning for utility outages
M	Terrorism training/equipment for first responders
M	◇ Terrorism planning/coordination
M	◇ Staffing for terrorism mitigation
L	Create a SONGS regional planning group
M	◇ Include dirty bomb planning
L	Cooling stations - MOUs in place
L	Fire Ant eradication program
L	White Fly infestation abatement/eradication program
L	Develop plan for supplemental water sources
L	Public education on low water landscaping
L	Salton Sea desalinization
M	Establish agriculture security standards (focus on water supply)
L	ID mutual aid agreements
L	Vulnerability assessment on fiber-optic cable
M	Upgrade valves on California aqueduct
M	Public education
L	◇ Bi-lingual signs
L	◇ Blackout information
L	Notification system for rail traffic - container contents
M	Control and release of terrorism intelligence
L	Develop prison evacuation plan (shelter in place?)

LOCAL JURISDICTION PROPOSED MITIGATION ACTION AND STRATEGY PROPOSAL

Jurisdiction: City of Moreno Valley
Contact: LeAnn M. Coletta
Phone: 951.413.3809

MITIGATION STRATEGY INFORMATION

Proposal Name:

Cactus Channel Flood Control

Proposal Location:

Heacock and Cactus, Moreno Valley, CA

Proposal Type

Place an "X" by the type of mitigation strategy (one or more may apply)

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Flood and mud flow mitigation |
| <input type="checkbox"/> | Fire mitigation |
| <input type="checkbox"/> | Elevation or acquisition of repetitively damaged structures or structures in high hazard areas |
| <input type="checkbox"/> | Mitigation Planning (i.e. update building codes, planning develop guidelines, etc.) |
| <input type="checkbox"/> | Development and implementation of mitigation education programs |
| <input type="checkbox"/> | Development or improvement of warning systems |
| <input type="checkbox"/> | Additional Hazard identification and analysis in support of the local hazard mitigation plan |
| <input type="checkbox"/> | Drinking and/or irrigation water mitigation |
| <input type="checkbox"/> | Earthquake mitigation |
| <input type="checkbox"/> | Agriculture - crop related mitigation |
| <input type="checkbox"/> | Agriculture - animal related mitigation |
| <input type="checkbox"/> | Flood inundation/Dam failure |
| <input type="checkbox"/> | Weather/Temperature event mitigation |

DESCRIPTION OF THE PROPOSED MITIGATION STRATEGY

List any previous disaster related events (dates, costs, etc)

Proposal/Event History

The Cactus Channel is a concern of the City of Moreno Valley, March AFB Civil Engineers, and the Joint Powers Authority (JPA). During raining and flooding, the water rises quickly in this area causing a great concern. During prior rains, the March AFB has shut off transformers to avoid damage from rising water.

Narrative:

Give a detailed description of the need for the Proposal, any history related to the Proposal. List the activities necessary for its completion in the narrative section below.

To avoid damage, we feel that the Cactus Channel needs to be reworked to prevent rising water from damaging surrounding areas. Currently, the channel is an eroded dirt channel. Our plan is to design a concrete wall channel with a sandy bottom. We plan to follow the existing alignment near the Elsworth entrance at the March ARB going easterly towards Heacock for slightly more than one mile.

Does your jurisdiction have primary responsibility for the Proposal? If not, what agency does?

Yes	X	No		Responsible Agency:
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FUNDING INFORMATION

Place an "X" by the proposed source of funding for this Proposal

- Unfunded Proposal - funds are not available for the Proposal at this time
- Local jurisdiction General Fund
- Local jurisdiction Special Fund (road tax, assessment fees, etc.)
- Non-FEMA Hazard Mitigation Funds
- Local Hazard Mitigation Grant Funds - Future Request
- Hazard Mitigation Funds

- Has your jurisdiction evaluated this mitigation strategy to determine it's cost benefits?
(i.e. has the cost of the mitigation proposal been determined to be beneficial in relationship to the potential damage or loss using the attached Cost/Benefit Analysis Sheet or another internal method)

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 <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
City of Moreno Valley			
Current Population in Jurisdiction or Served	155,105	Projected Population in Jurisdiction or Served - in 2010	168,298
Current Sq Miles in Jurisdiction or Served	50	Projected Sq Miles in Jurisdiction or Served - in 2010	50
Does Your Jurisdiction have any ordinances or regulations dealing with disaster mitigation, disaster preparation, or disaster response?	Yes	If yes, please list ordinance or regulation number. Ordinance 325, Resolution 91-95, 91-96, 91-97, 95-33, 95-34, 95-68	
What is the number one land issue your agency will face in the next five years	Growth related issues such as traffic		
Approximate Number of Homes/Apts/etc.	41,431	Projected Number of Homes/Apts/etc. - in 2010	45,013
Approximate Total Residential Value	\$11,328,395,468.00	Projected Residential Total Value - in 2010	\$12,307,814,564.00
Approximate Number of Commercial Businesses	4,719	Projected Number of Commercial Businesses - in 2010	4,766
Approximate Percentage of Homes/Apts/etc in flood hazard zones	<1%	Approximate Percentage of Homes/Apts/etc in flood hazard zones - in 2010	< .50%
Approximate Percentage of Homes/Apts/etc in earthquake hazard zones	100%	Approximate Percentage of Homes/Apts/etc in earthquake hazard zones - in 2010	100%
Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones	5%	Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones - in 2010	5%
Approximate Percentage of Commercial Businesses in flood hazard zones	2%	Approximate Percentage of Commercial Businesses in flood hazard zones - in 2010	3%
Approximate Percentage of Commercial Businesses in earthquake hazard zones	100%	Approximate Percentage of Commercial Businesses in earthquake hazard zones - in 2010	100%
Approximate Percentage of Commercial Businesses in wildland fire hazard zones	0%	Approximate Percentage of Commercial Businesses in wildland fire hazard zones - in 2010	0%
Number of Critical Facilities in your Jurisdiction that are in flood hazard zones	0%	Projected Number of Critical Facilities in your Jurisdiction that are in flood hazard zones - in 2010	0%
Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones	100%	Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones - in 2010	100%
Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones.	0%	Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones - in 2010	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	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	

Supplement for all CA Local Government Jurisdictions participating in Multi-Jurisdictional, Local Hazard Mitigation Plans

Each separate jurisdiction participating in a Multi-Jurisdictional Plan, must a formally adopt the Multi-Jurisdictional Plan as their own LHMP. Even though a jurisdiction is "participating" in a multi-jurisdictional plan, EACH JURISDICTION must ensure that certain requirements of the Multi-Jurisdictional Plan have been met. Failure to do so MAY delay review and or approval of the multi-jurisdictional plan.

While each multi-jurisdictional plan must be a "stand alone" document upon completion, each jurisdiction must be aware of the information and requirements, unique to each participant, that must be provided in order for the multi-jurisdictional plan to be complete. The advantage for each local government in participating in a multi-jurisdictional plan is, among many, that most information and data (i.e. information, data, maps), may be shared by all participating jurisdictions.

The following "mini" Plan Review Crosswalk **should be completed by each participating jurisdiction** to document how and where information needed by the multi-jurisdictional planning effort, but specific to each participating jurisdiction, has been included.

Participating Jurisdiction: City of Moreno Valley	Title/Lead Jurisdiction of Multi-Jurisdictional Plan: Riverside County Operational Area	Date of Completion:
Local Point of Contact: LeAnn M. Coletta	Address: 14177 Frederick Street P.O. Box 88005 Moreno Valley, CA 92552	
Title: Program Manager		
Agency: City of Moreno Valley	E-Mail: leannc@moval.org	
Phone Number: 951.413.8114		

State Reviewer:	Title:	Date:
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FEMA Reviewer:	Title:	Date:
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Jurisdiction's NFIP Status*		
Y	N	N/A
		CRS Class

* **Notes: [Y] – Participating [N] - Not Participating [N/A] - Not Mapped**

SCORING SYSTEM: One of the following scores will be assigned to each of the following LHMP requirements.

N – Needs Improvement: The jurisdiction's portion of the multi-jurisdiction's plan does not meet the minimum for a plan requirement. Reviewer's comments must be provided.

S – Satisfactory: The jurisdiction's portion of the multi-jurisdiction's plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Multi-Jurisdictional Plan Adoption: §201.6(c)(5) AND			
Multi-Jurisdictional Planning Participation: §201.6(a)(3)			

Planning Process	N	S
Documentation of the Planning Process: §201.6(b) and §201.6(c)(1)	N/A	in MJP
Local Capabilities Assessment §201.4(c)(ii) and §201.6(c)(1) (State Requirement)		

Multi-Jurisdictional Risk Assessment §201.6(c)(2)(iii)	N	S
Identifying Hazards (if applicable): §201.6(c)(2)(i)		
Profiling Hazards (if applicable): §201.6(c)(2)(i)		
Assessing Vulnerability: Overview: §201.6(c)(2)(ii)		
Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)		
Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)		
Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)		

Mitigation Strategy	N	S
Multi-Jurisdictional Mitigation Actions: §201.6(c)(3)(iv)		

Monitoring, Evaluating, and Updating the Plan: §201.6(c)(4)(i)	N/A	
Incorporation into Existing Planning Mechanisms: §201.6(c)(4)(ii)		
Continued Public Involvement: §201.6(c)(4)(iii)	N/A	

Additional State Requirements*	N	S
See Planning Process, Local Capabilities Assessment	N/A	
Insert State Requirement here	N/A	

SUPPLEMENT STATUS	
SUPPLEMENT HAS REQUIREMENTS THAT "NEED IMPROVEMENT"	
SUPPLEMENT REQUIREMENTS ARE ALL "SATISFACTORY"	

*States that have additional requirements can add them in the appropriate sections of the *Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

PLAN REVIEW CRITERIA	REQUIREMENT AS TAKEN FROM THE INTERIM FINAL RULE PART 201	LOCATION IN THE (MJP) MULTI JURISDICTIONAL PLAN (INDICATE SECTION OR ANNEX AND PAGE #)	SCORE / STATE / FEMA REVIEWER COMMENTS <u>SCORING SYSTEM</u> [M] MET [NM] NOT MET (FOR PREREQUISITE (S) ONLY) [N]--NEEDS IMPROVEMENT OR [S]--SATISFACTORY
PREREQUISITE (S)	NOTE: The prerequisite, or prerequisites in the case of multi-jurisdictional plans, may be reviewed before, but must be met before the plan can receive final FEMA approved.		
Multi-Jurisdictional Plan Adoption	Requirement §201.6(c)(5): Element B & C: For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must provide supporting documentation that it has been formally adopted by EACH participating jurisdiction.	To be submitted after State OES review	The County will submit to State OES the letters of adoption of the plan by each of the participating jurisdictions after the initial review by State OES and updating by Riverside County upon the return of the plan from State OES
Multi-Jurisdictional Planning Participation	Requirement §201.6(a)(3): Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process. Element A. Where in the MJP is this jurisdiction's participation, in the MJP development, documented?	Part I, Section 2 Page 3 -7	M

PLAN REVIEW CRITERIA	REQUIREMENT AS TAKEN FROM THE INTERIM FINAL RULE PART 201	LOCATION IN THE (MJP) MULTI JURISDICTIONAL PLAN (INDICATE SECTION OR ANNEX AND PAGE #)	SCORE / STATE / FEMA REVIEWER COMMENTS <u>SCORING SYSTEM</u> [M] MET [NM] NOT MET (FOR PREREQUISITE (S) ONLY) [N]--NEEDS IMPROVEMENT OR [S]--SATISFACTORY
PLANNING PROCESS			
Documentation of the Planning Process	Requirement - IFR §201.6(b): In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:	N/A - Should be included in the MJP	
Local Capabilities Assessment	Requirement – Section §201.4(c)(3) (ii) of the Federal Register Interim Final Rule 44 CFR Parts 201 and 206 states, “[The State mitigation strategy shall include] a general description and analysis of the effectiveness of local mitigation policies, programs, and capabilities.	See Elements A-D below.	M
Local Capabilities Assessment	Element A: Does the plan provide a description of the human, technical and financial resources available within this jurisdiction to engage in a mitigation planning process and to develop a local hazard mitigation plan? (These resources are described in Section 2.2 of the OES LHMP Development Guide).	Part II, City of Moreno Valley Section	N <i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a “Needs Improvement” score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	Element B: Does the plan list local mitigation funding sources (taxes, fees, assessments or fines) which affect or promote mitigation within the reporting jurisdiction?	Part II, City of Moreno Valley Section	N <i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a “Needs Improvement” score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	Element C: Does the plan list local ordinances which affect or promote disaster mitigation, preparedness, response or recovery within the reporting jurisdiction?	PART II City of Moreno Valley Section, Supplemental Questionnaire	S <i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a “Needs Improvement” score on this requirement will not preclude the plan from passing.</i>

<p>Local Capabilities Assessment</p>	<p><i>Element D: Does the plan describe the details of ongoing mitigation projects and programs within the reporting jurisdiction?</i></p>	<p>Part II, City of Moreno Valley Section</p>	<p>S</p>	<p><i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i></p>
<p>RISK ASSESSMENT</p>				

<p>Multi-Jurisdictional Risk Assessment</p>	<p>Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area. It should be noted that the Vulnerability Assessments are almost always unique to each jurisdiction (EXAMPLE: For a county based MJP, a school district's vulnerability to a hazard is different than the city that it is in, and the city will have different vulnerabilities than that of the overall planning area (county)).</p>	<p>Part I Wildfire Pages 28 – 40 Flooding Pages 41 – 53 Earthquakes Pages 54 – 66 Weather Pages 67 – 76 Dam failure Pages 85 – 93 Hazmat incidents Pages 94 – 101 Transportation Incidents Pages 102 – 110 Rail line emergencies Pages 102 – 110 Airline / airport emergencies Pages 102 – 110 Pipeline/Aqueduct incidents Pages 111 – 114 Blackout Pages 115 – 118 Toxic pollution Pages 119 – 124 Nuclear incidents Pages 125 – 128 Civil unrest Pages 129 – 131 Jails and prisons incidents Pages 132 – 134 Terrorism Pages 135 – 139</p> <p>Part II, City of Moreno Valley Section</p>	<p>S</p>
<p>Were unique Hazards & Hazard Profiles Included from this jurisdiction?</p>	<p>Yes</p>	<p>Yes, Part II, City of Moreno Valley Section</p>	<p>S</p>
<p>Assessing Vulnerability: Overview: §201.6(c)(2)(ii)</p>	<p>Assessing Vulnerability: Overview: §201.6(c)(2)(ii)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>
<p>Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)</p>	<p>Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>
<p>Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</p>			

	Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)	Part I, Pages 19-139	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)	Part I, Pages 24-27 & PART II City of Moreno Valley Supplemental Questionnaire	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
MITIGATION STRATEGY				
Multi-Jurisdictional Mitigation Actions	Requirement §201.6(c)(3)(iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan. (That is, Does the plan include at least one identifiable action item for each jurisdiction requesting FEMA approval of the plan?)	Yes, Part II, City of Moreno Valley Section	N	
PLAN MAINTENANCE PROCESS				
Incorporation into Existing Planning Mechanisms	Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms.	Part I, Page 143	S	
	Has this jurisdiction included a process by which the local government will incorporate the requirements in other plans, such as comprehensive or capital improvement plans, when appropriate?	Part I, Page 143	S	
ADDITIONAL STATE REQUIREMENTS	See Planning Process – Local Capabilities Assessment for an additional State & Local Planning Requirement.	Part I, Page 143	S	

	Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)	Part I, Pages 19-139	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)	Part I, Pages 19-139	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)	Part I, Pages 24-27 & PART II Norco Supplemental Questionnaire	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
MITIGATION STRATEGY				
Multi-Jurisdictional Mitigation Actions	Requirement §201.6(c)(3)(iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan. (That is, Does the plan include at least one identifiable action item for each jurisdiction requesting FEMA approval of the plan?)	Yes, Part II, Norco Section	N	
PLAN MAINTENANCE PROCESS				
Incorporation into Existing Planning Mechanisms	Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms. Has this jurisdiction included a process by which the local government will incorporate the requirements in other plans, such as comprehensive or capital improvement plans, when appropriate?	Part I, Page 143 Part I, Page 143	S S	
ADDITIONAL STATE REQUIREMENTS	See Planning Process – Local Capabilities Assessment for an additional State & Local Planning Requirement.	Part I, Page 143	S	

<p>Local Capabilities Assessment</p>	<p><i>Element D: Does the plan describe the details of ongoing mitigation projects and programs within the reporting jurisdiction?</i></p>	<p>Part II, City of Perris Section</p>	<p>S</p>	<p><i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i></p>
<p>RISK ASSESSMENT</p>				
<p>Multi-Jurisdictional Risk Assessment</p>	<p>Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area. It should be noted that the Vulnerability Assessments are almost always unique to each jurisdiction (EXAMPLE: For a county based MJP, a school district's vulnerability to a hazard is different than the city that it is in, and the city will have different vulnerabilities than that of the overall planning area (county)).</p>	<p>Part I Flooding Pages 41 – 53 Earthquakes Pages 54 – 66 Weather Pages 67 – 76 Insect Infestation Pages 81 – 84 Hazmat incidents Pages 94 – 101 Transportation Incidents Pages 102 – 110 Rail line emergencies Pages 102 – 110 Airline / airport emergencies Pages 102 – 110 Blackout Pages 115 – 118 Toxic pollution Pages 119 – 124 Nuclear incidents Pages 125 – 128 Terrorism Pages 135 – 139 Part II, City of Perris Section</p>	<p>S</p>	

	Were unique Hazards & Hazard Profiles Included from this jurisdiction?	Yes Yes, Part II, City of Perris Section	S	
	Assessing Vulnerability: Overview: §201.6(c)(2)(ii)	Part I, Pages 19-139	S	
	Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)	Part I, Pages 19-139	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)	Part I, Pages 19-139	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)	Part I, Pages 24-27 & PART II City of Perris Supplemental Questionnaire	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	MITIGATION STRATEGY			
	Multi-Jurisdictional Mitigation Actions	Yes, Part II, City of Perris Section	N	
	PLAN MAINTENANCE PROCESS			
	Incorporation into Existing Planning Mechanisms	Part I, Page 143	S	
	Has this jurisdiction included a process by which the local government will incorporate the requirements in other plans, such as comprehensive or capital improvement plans, when appropriate?	Part I, Page 143	S	

**ADDITIONAL STATE
REQUIREMENTS**

See Planning Process – Local
Capabilities Assessment for an
additional State & Local Planning
Requirement.

Part I, Page 143

S

RIVERSIDE COUNTY MULTI-
JURISDICTIONAL LOCAL HAZARD
MITIGATION AGENCY INVENTORY

Moreno Valley Community Hospital

HAZARD IDENTIFICATION AND SUMMARY WORKSHEET

PLEASE PROVIDE THE FOLLOWING INFORMATION

Agency/Jurisdiction:	<input type="text" value="Moreno Valley Community Hospital"/>		
Type Agency/Jurisdiction:	<input type="text" value="Hospital"/>		
Contact Person:	Title:	<input type="text"/>	
First Name:	<input type="text" value="Richard"/>	Last Name:	<input type="text" value="Greener"/>
Agency Address:	Street:	<input type="text" value="27300 Iris Ave"/>	
	City:	<input type="text" value="Moreno Valley"/>	
	State:	<input type="text" value="Ca."/>	
	Zip:	<input type="text" value="92555"/>	
Contact Phone	<input type="text" value="951-652-2811"/>	Ext. 5075	FAX <input type="text"/>
E-mail	<input type="text" value="rgreener@vhs.dst.ca.us"/>		

Population Served	<input type="text"/>	Square Miles Served	<input type="text"/>
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Does your organization have a general plan?	<input type="text" value="YES"/>
Does your organization have a safety component to the general plan?	<input type="text" value="YES"/>
What year was your plan last updated?	<input type="text" value="2003"/>

Does your organization have a disaster/emergency operations plan?	<input type="text" value="YES"/>
What year was your plan last updated?	<input type="text" value="2003"/>
Do you have a recovery annex or section in your plan?	<input type="text" value="YES"/>
Do you have a terrorism/WMD annex or section in your plan?	<input type="text" value="YES"/>

DOES YOUR ORGANIZATION HAVE:

AIRPORT IN JURISDICTION	
AIRPORT NEXT TO JURISDICTION	
DAIRY INDUSTRY	
POULTRY INDUSTRY	
CROPS/ORCHARDS	
DAMS IN JURISDICTION	YES
DAMS NEXT TO JURISDICTION	
LAKE/RESERVOIR IN JURISDICTION	
LAKE/RESERVOIR NEAR JURISDICTION	YES
JURISDICTION IN FLOOD PLAIN	YES
CONTROLLED FLOOD CONTROL CHANNEL	YES
UNCONTROLLED FLOOD CONTROL CHANNEL	YES
EARTHQUAKE FAULTS IN JURISDICTION	YES
EARTHQUAKE FAULTS NEXT TO JURISDICTION	
MOBILE HOME PARKS	
NON-REINFORCED FREEWAY BRIDGES	
NON-REINFORCED BRIDGES	
BRIDGES IN FLOOD PLAIN	
BRIDGES OVER OR ACROSS RIVER/STREAM	
ROADWAY CROSSING RIVER/STREAM	
NON REINFORCED BUILDINGS	
FREEWAY/MAJOR HIGHWAY IN JURISDICTION	YES
FREEWAY/MAJOR HIGHWAY NEXT TO JURISDICTION	
FOREST AREA IN JURISDICTION	
FOREST AREA NEXT TO JURISDICTION	
WITHIN THE 50 MILES SAN ONOFRE EVACUATION ZONE	
MAJOR GAS/OIL PIPELINES IN JURISDICTION	YES
MAJOR GAS/OIL PIPELINES NEXT TO JURISDICTION	
RAILROAD TRACKS IN JURISDICTION	
RAILROAD TRACKS NEXT TO JURISDICTION	
HAZARDOUS WASTE FACILITIES IN JURISDICTION	YES
HAZARDOUS WASTE FACILITIES NEXT TO JURISDICTION	
HAZARDOUS STORAGE FACILITIES IN JURISDICTION	YES
HAZARDOUS STORAGE FACILITIES NEXT TO JURISDICTION	YES

DOES YOUR ORGANIZATION OWN OR OPERATE A FACILITY

IN A FLOOD PLAIN	YES
NEAR FLOOD PLAIN	
NEAR RAILROAD TRACKS	YES
NEAR A DAM	YES
UPSTREAM FROM A DAM	
DOWNSTREAM FROM A DAM	YES
DOWNSTREAM OF A LAKE	YES
DOWNSTREAM FROM A RESERVOIR	YES
NEAR A CONTROLLED FLOOD CONTROL CHANNEL	YES
NEAR UNCONTROLLED FLOOD CONTROL CHANNEL	
ON AN EARTHQUAKE FAULT	YES
NEAR AN EARTHQUAKE FAULT	
WITHIN THE 50 MILE SAN ONOFRE EVACUATION ZONE	
IN A FOREST AREA	
NEAR A FOREST AREA	
NEAR A MAJOR HIGHWAY	
A HAZARDOUS WASTE FACILITY	YES
NEAR A HAZARDOUS WASTE FACILITY	
A HAZARDOUS STORAGE FACILITY	
NEAR A HAZARDOUS STORAGE FACILITY	
NON REINFORCED BUILDINGS	
A MAJOR GAS/OIL PIPELINE	
NEAR A MAJOR GAS/OIL PIPELINE	

DOES YOUR ORGANIZATION HAVE ANY LOCATIONS THAT:

HAVE BEEN DAMAGED BY EARTHQUAKE AND NOT REPAIRED	
HAVE BEEN DAMAGED BY FLOOD	
HAVE BEEN DAMAGED BY FLOOD MORE THAN ONCE	
HAVE BEEN DAMAGED BY FOREST FIRE	
HAVE BEEN DAMAGED BY FOREST FIRE MORE THAN ONCE	
HAVE BEEN IMPACTED BY A TRANSPORTATION ACCIDENT	
HAVE BEEN IMPACTED BY A PIPELINE EVENT	

EMERGENCY OPERATIONS INFORMATION

DOES YOUR ORGANIZATION HAVE AN EOC

YES
YES
YES
YES
YES
YES
YES
YES
YES
YES
YES

IS YOUR EOC LOCATED:

- IN A FLOOD PLAIN**
- NEAR FLOOD PLAIN**
- NEAR RAILROAD TRACKS**
- NEAR A DAM**
- UPSTREAM FROM A DAM**
- DOWNSTREAM FROM A DAM**
- DOWNSTREAM OF A LAKE**
- DOWNSTREAM FROM A RESERVOIR**
- NEAR A CONTROLLED FLOOD CONTROL CHANNEL**
- NEAR UNCONTROLLED FLOOD CONTROL CHANNEL**
- ON AN EARTHQUAKE FAULT**
- NEAR AN EARTHQUAKE FAULT**
- WITHIN THE 50 MILE SAN ONOFRE EVACUATION ZONE**
- IN A FOREST AREA**
- NEAR A FOREST AREA**
- NEAR A MAJOR HIGHWAY**
- A HAZARDOUS WASTE FACILITY**
- NEAR A HAZARDOUS WASTE FACILITY**
- A HAZARDOUS STORAGE FACILITY**
- NEAR A HAZARDOUS STORAGE FACILITY**
- NON REINFORCED BUILDINGS**
- A MAJOR GAS/OIL PIPELINE**
- NEAR A MAJOR GAS/OIL PIPELINE**

OTHER FACILITY INFORMATION

- ARE THERE LOCATIONS WITHIN YOUR JURISDICTION THAT:**
- COULD BE CONSIDERED A TERRORIST TARGET**
- COULD BE CONSIDERED A BIO-HAZARD RISK**

NO
NO

Jurisdiction's Critical Facility Evaluation

In December of 2001, the County of Riverside, in cooperation with local jurisdictions and agencies, developed an Emergency Response Database. This database was created so emergency planners could use the database as a planning tool as well as quickly determine the potential impact an event may have on a community, district, or specific site. During the creation of the Emergency Response Database, contributors were asked to identify critical facilities within their jurisdictions under the following sections:

- Airports
- Community Colleges
- Dams
- Schools
 - Preschools
 - Elementary Schools
 - Middle Schools
 - High Schools
- Fire Stations
- Government Buildings
- Highways
- Hospitals
- Red Cross Shelters
- Law Enforcement Facilities
- Waste Management Sites
- Reservoirs / Water tanks

For each site, the user can identify at a minimum, the address of the site, the type of structure, and the type of occupancy and site contact information.

During the creation of this Multi-Jurisdictional Local Hazard Mitigation Plan, it was determined that the Emergency Response Database could provide vital information for this project and it would be utilized as the source for the identification of critical facilities within hazard areas. To ensure the most up-to-date data was used, all participants involved updated the critical facilities data at the beginning of the Hazard Mitigation Plan project. The critical facility list for this jurisdiction will be reviewed and updated regularly to ensure that the vulnerability of each location is evaluated on a regular basis.

Because of the sensitive nature of the data obtained through this process, address information will not be included in the identification of critical facilities for the protection of all participants.

LOCAL JURISDICTION VULNERABILITY WORKSHEET

NAME: Richard Greener AGENCY: Moreno Valley Community Hospital DATE: 6/30/04

HAZARD	COUNTY		LOCAL JURISDICTION		RANKING 1 - 22
	SEVERITY 0 - 4	PROBABILITY 0 - 4	SEVERITY 0 - 4	PROBABILITY 0 - 4	
EARTHQUAKE	4	3	4	3	7
WILDLAND FIRE	3	4	1	3	8
FLOOD	3	3	3	3	9
OTHER NATURAL HAZARDS					
DROUGHT	3	3	0	3	13
LANDSLIDES	2	3	2	1	21
INSECT INFESTATION	3	4	2	3	11
EXTREME SUMMER/WINTER WEATHER	2	4	1	4	1
SEVERE WIND EVENT	3	3	1	3	12
AGRICULTURAL					
DISEASE/CONTAMINATION	3	4	2	4	2
TERRORISM	4	2	4	2	18
OTHER MAN-MADE					
PIPELINE	2	3	1	2	19
AQUEDUCT	2	3	1	2	20
TRANSPORTATION	2	4	2	4	5
BLACKOUTS	3	4	3	4	4
HAZMAT ACCIDENTS	3	3	2	3	6
NUCLEAR ACCIDENT	4	2	4	1	22
TERRORISM	4	2	4	2	17
CIVIL UNREST	2	2	3	3	15
JAIL/PRISON EVENT	1	2	2	2	16
OTHER - PLEASE DESCRIBE BELOW					
BOMB THREAT			4	3	14
INFANT/PEDIATRIC ABDUCTION			2	3	10
EPIDEMIC			3	4	3

LOCAL JURISDICTION MITIGATION GOALS

Please evaluate the priority level for each listed mitigation activity identified below as it relates to your jurisdiction or facility. If you have any additional mitigation activities or recommendations, please list them at the end of this document.

Place an H (High), M (Medium), L (Low), or N/A (Not Applicable) for your priority level for each activity in the box next to the activity.

EARTHQUAKE

M	Aggressive public education campaign in light of predictions
N/A	Generate new literature for dissemination to:
	◇ Government employees
	◇ Businesses
	◇ Hotel/motel literature
	◇ Local radio stations for education
	◇ Public education via utilities
	◇ Identify/create television documentary content
N/A	Improve the Emergency Alert System (EAS)
	◇ Consider integration with radio notification systems
	◇ Upgrade alerting and warning systems for hearing impaired
	◇ Training and maintenance
M	Procure earthquake-warning devices for critical facilities
N/A	Reinforce emergency response facilities
H	Provide training to hospital staffs
H	Require earthquake gas shutoffs on remodels/new construction
N/A	Evaluate re-enforcing reservoir concrete bases
M	Evaluate EOCs for seismic stability
N/A	Install earthquake cutoffs at reservoirs
N/A	Install earthquake-warning devices at critical facilities
N/A	Develop a dam inundation plan for new Diamond Valley Reservoir
H	Earthquake retrofitting
N/A	◇ Bridges/dams/pipelines
N/A	◇ Government buildings/schools
N/A	◇ Mobile home parks
N/A	Develop educational materials on structural reinforcement and home inspections
H	Ensure Uniform Building Code compliance
H	◇ Update to current compliance when retrofitting
N/A	Insurance coverage on public facilities
N/A	Funding for non-structural abatement (Earthquake kits, etc.)
N/A	Pre - identify empty commercial space for seismic re-location
N/A	Electrical co-generation facilities need retrofitting/reinforcement (Palm Springs, others?)
N/A	Mapping of liquefaction zones
H	Incorporate County geologist data into planning
H	Backup water supplies for hospitals

N/A	Evaluate pipeline seismic resiliency
N/A	Pre-positioning of temporary response structures
H	Fire sprinkler ordinance for all structures
H	Evaluate adequacy of reservoir capacity for sprinkler systems
H	Training/standardization for contractors performing retrofitting
N/A	Website with mitigation/contractor/retrofitting information
	◇ Links to jurisdictions
	◇ Alerting information
	◇ Volunteer information
N/A	Evaluate depths of aquifers/wells for adequacy during quakes
N/A	Evaluate hazmat storage regulations near faults

COMMUNICATIONS IN DISASTER ISSUES

H	Communications Interoperability
N/A	Harden repeater sites
N/A	Continue existing interoperability project
N/A	Strengthen/harden
N/A	Relocate
N/A	Redundancy
N/A	Mobile repeaters

FLOODS

N/A	Update development policies for flood plains
N/A	Public education on locations of flood plains
N/A	Develop multi-jurisdictional working group on floodplain management
N/A	Develop greenbelt requirements in new developments
N/A	Update weather pattern/flood plain maps
N/A	Conduct countywide study of flood barriers/channels/gates/water dispersal systems
N/A	Required water flow/runoff plans for new development
N/A	Perform GIS mapping of flood channels, etc.
N/A	Install vehicular crossing gates/physical barriers for road closure
N/A	Maintenance of storm sewers/flood channels
N/A	Create map of flood channels/diversions/water systems etc
N/A	Require digital floor plans on new non-residential construction
N/A	Upgrade dirt embankments to concrete
N/A	Conduct countywide needs study on drainage capabilities
N/A	Increase number of pumping stations
N/A	Increase sandbag distribution capacities
M	Develop pre-planned response plan for floods
N/A	◇ Evacuation documentation
N/A	◇ Re-examine historical flooding data for potential street re-design
N/A	Training for city/county PIOs about flood issues
N/A	Warning systems - ensure accurate information provided
N/A	◇ Publicize flood plain information (website?)
N/A	◇ Install warning/water level signage
N/A	◇ Enhanced public information
N/A	◇ Road closure compliance
L	◇ Shelter locations
N/A	◇ Pre-event communications
N/A	Look at County requirements for neighborhood access
N/A	◇ Secondary means of ingress/egress
N/A	Vegetation restoration programs
N/A	Ensure critical facilities are hardened/backed up
N/A	Hardening water towers
N/A	Terrorism Surveillance - cameras at reservoirs/dams
N/A	Riverbed maintenance
N/A	Evaluate existing lift stations for adequacy
N/A	Acquisition of property for on-site retention
L	Evaluate regulations on roof drainage mechanisms
M	Erosion-resistant plants
N/A	Traffic light protection
N/A	Upkeep of diversionary devices
N/A	Install more turn-off valves on pipelines
H	Backup generation facilities
N/A	Identify swift water rescue capabilities across County

WILDFIRES

M	Aggressive weed abatement program
N/A	◇ Networking of agencies for weed abatement
N/A	Develop strategic plan for forest management
N/A	Public education on wildfire defense
L	Encourage citizen surveillance and reporting
N/A	Identify hydrants with equipment ownership information
N/A	Enhanced fire fighting equipment
N/A	Fire spotter program/red flag program
N/A	◇ Expand to other utilities
N/A	Research on insect/pest mitigation technologies
N/A	Volunteer home inspection program
N/A	Public education program
N/A	◇ Weather reporting/alerting
N/A	◇ Building protection
M	◇ Respiration
M	Pre-identify shelters/recovery centers/other resources
N/A	Roofing materials/defensive spacing regulations
M	Community task forces for planning and education
M	Fuel/dead tree removal
H	Strategic pre-placement of fire fighting equipment
M	Establish FEMA coordination processes based on ICS
N/A	Brush clearings around repeaters
N/A	Research new technologies for identifying/tracking fires
H	Procure/deploy backup communications equipments
N/A	"Red Tag" homes in advance of event
N/A	Provide fire-resistant gel to homeowners
N/A	Involve insurance agencies in mitigation programs
N/A	Clear out abandoned vehicles from oases
H	Code enforcement
N/A	Codes prohibiting fireworks
N/A	Fuel modification/removal
H	Evaluate building codes
N/A	Maintaining catch basins

OTHER HAZARDS

N/A	Improve pipeline maintenance
N/A	Wetlands mosquito mitigation (West Nile Virus)
N/A	Insect control study
N/A	Increase County Vector Control capacities
N/A	General public drought awareness
N/A	◇ Lawn watering rotation
N/A	Develop County drought plan
N/A	Mitigation of landslide-prone areas
L	Develop winter storm sheltering plan
N/A	Ease permitting process for building transmission lines
N/A	Evaluate restrictions on dust/dirt/generating activities during wind seasons
N/A	Rotational crop planning/soil stabilization
N/A	Enhance agricultural checkpoint enforcement
N/A	Agriculture - funding of detection programs
N/A	Communications of pipeline maps (based on need to know)
N/A	Improved notification plan on runaway trains
N/A	Improve/maintain blackout notification plan.
N/A	Support business continuity planning for utility outages
N/A	Terrorism training/equipment for first responders
N/A	◇ Terrorism planning/coordination
N/A	◇ Staffing for terrorism mitigation
N/A	Create a SONGS regional planning group
N/A	◇ Include dirty bomb planning
N/A	Cooling stations - MOUs in place
N/A	Fire Ant eradication program
N/A	White Fly infestation abatement/eradication program
N/A	Develop plan for supplemental water sources
N/A	Public education on low water landscaping
N/A	Salton Sea desalinization
N/A	Establish agriculture security standards (focus on water supply)
H	ID mutual aid agreements
N/A	Vulnerability assessment on fiber-optic cable
N/A	Upgrade valves on California aqueduct
M	Public education
N/A	◇ Bi-lingual signs
N/A	◇ Blackout information
N/A	Notification system for rail traffic - container contents
N/A	Control and release of terrorism intelligence
N/A	Develop prison evacuation plan (shelter in place?)
H	SB1953 NPC2 – Stage 1 (essential equipment anchorage/emergency generator)
H	SB1953 – Stage 2 projected 2008 “B” building structurally updated/ “A” building all essential functions removed. (extension requested)
H	Update EMS radio system
H	Underground fuel lines/self control fuel links/leak detection system

LOCAL JURISDICTION PROPOSED MITIGATION ACTION AND STRATEGY PROPOSAL

Jurisdiction: Moreno Valley Community Hospital
Contact: Richard Greener
Phone: (951) 652-2811 Ext. 5075

MITIGATION STRATEGY INFORMATION

Proposal Name:

Countywide Hospital Mitigation Proposal - Emergency Portable Shelters and Treatment Areas

Proposal Location:

27300 Iris Ave, Moreno Valley, CA 92555

Proposal Type

Place an "X" by the type of mitigation strategy (one or more may apply)

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | Flood and mud flow mitigation |
| <input type="checkbox"/> | Fire mitigation |
| <input type="checkbox"/> | Elevation or acquisition of repetitively damaged structures or structures in high hazard areas |
| <input checked="" type="checkbox"/> | Mitigation Planning and Response(i.e. update building codes, planning develop guidelines, etc.) |
| <input type="checkbox"/> | Development and implementation of mitigation education programs |
| <input type="checkbox"/> | Development or improvement of warning systems |
| <input type="checkbox"/> | Additional Hazard identification and analysis in support of the local hazard mitigation plan |
| <input type="checkbox"/> | Drinking and/or irrigation water mitigation |
| <input checked="" type="checkbox"/> | Earthquake mitigation |
| <input type="checkbox"/> | Agriculture - crop related mitigation |
| <input type="checkbox"/> | Agriculture - animal related mitigation |
| <input type="checkbox"/> | Flood inundation/Dam failure |
| <input type="checkbox"/> | Weather/Temperature event mitigation |

DESCRIPTION OF THE PROPOSED MITIGATION STRATEGY

List any previous disaster related events (dates, costs, etc)

Proposal/Event
History

<p>Although a hospital in Riverside County has never suffered the dynamic physical damage that was suffered by several hospitals in the Northridge earthquake or in other major earthquakes, the potential for such damage to one or more local hospitals is great. In conducting the countywide hazard assessment, all of the hospitals were found to be at some level of "earthquake risk" because of their proximity to one or more earthquake faults in the county.</p>

Narrative: Give a detailed description of the need for the project, any history related to the project. List the activities necessary for its completion in the narrative section below.

In conducting the hazard assessment as a group, the hospitals in the county determined that one of the most critical issues was the problem of immediately sheltering critical hospital patients after any disastrous event where the hospital is no longer safe for patients. This event could be an earthquake, flood, hazardous materials event, or other event that would require patients to be removed from the normal protection of their hospital room.

When the hospitals reviewed this type of event, one of the issues they looked at was the ability to quickly transport a large number of critical patients from one hospital to another. Looking at recent events such as the fires in October of 2003 where an entire hospital had to be evacuated because of the impending forest fire, one of the immediate concerns was the amount of time it took to gather enough methods of transportation to move all of the patients. This timeframe was several hours. Because the event was a fire, many of the patients were left inside the hospital. However, had the hospital been damaged from an earthquake, the patients would have been moved outside while awaiting transportation.

Having critical patients awaiting transportation and/or receiving treatment outside for an extended period of time has raised numerous safety, weather related, and welfare issues for those patients. To reduce the impact of the earthquake on the patients in the hospitals, the hospitals have determined that an important mitigation effort would be the purchase of several portable shelters that could be used in the event of an earthquake or other similar event. These tents could also be used as "surge capacity tents" in the event of a disaster not directly affecting the patients in the hospital, but causing a large number of victims to come to the hospital. These tents would remain portable so that they could be transported around the county in the event of a hospital receiving major damage.

Does your jurisdiction have primary responsibility for the project? If not, what agency does?

Yes	X	No	Responsible Agency:
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FUNDING INFORMATION

Place an "X" by the proposed source of funding for this project

- Unfunded project - funds are not available for the project at this time
- Local jurisdiction General Fund
- Local jurisdiction Special Fund (road tax, assessment fees, etc.)
- Non-FEMA Hazard Mitigation Funds
- Local Hazard Mitigation Grant Funds - Future Request
- Hazard Mitigation Funds

Has your jurisdiction evaluated this mitigation strategy to determine its cost benefits? (i.e. has the cost of the mitigation proposal been determined to be beneficial in relationship to the potential damage or loss using the attached Cost/Benefit Analysis Sheet or another internal method)

LOCAL JURISDICTION DEVELOPMENT TRENDS QUESTIONNAIRE

LAND USE ISSUES - COMPLETE THE INFORMATION BELOW

JURISDICTION: Moreno Valley Community Hospital	DOES YOUR AGENCY HAVE RESPONSIBILITY FOR LAND USE AND/OR DEVELOPMENT ISSUES WITHIN YOUR JURISDICTIONAL BOUNDARIES? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Current Population in Jurisdiction or Served	Projected Population in Jurisdiction or Served - in 2010	
Current Sq Miles in Jurisdiction or Served	Projected Sq Miles in Jurisdiction or Served - in 2010	
Does Your Jurisdiction have any ordinances or regulations dealing with disaster mitigation, disaster preparation, or disaster response?	If yes, please list ordinance or regulation number.	
What is the number one land issue your agency will face in the next five years		
Approximate Number of Homes/Apts/etc.	Projected Number of Homes/Apts/etc. - in 2010	
Approximate Total Residential Value	Projected Residential Total Value - in 2010	
Approximate Number of Commercial Businesses	Projected Number of Commercial Businesses - in 2010	
Approximate Percentage of Homes/Apts/etc in flood hazard zones	Approximate Percentage of Homes/Apts/etc in flood hazard zones - in 2010	
Approximate Percentage of Homes/Apts/etc in earthquake hazard zones	Approximate Percentage of Homes/Apts/etc in earthquake hazard zones - in 2010	
Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones	Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones - in 2010	
Approximate Percentage of Commercial Businesses in flood hazard zones	Approximate Percentage of Commercial Businesses in flood hazard zones - in 2010	
Approximate Percentage of Commercial Businesses in earthquake hazard zones	Approximate Percentage of Commercial Businesses in earthquake hazard zones - in 2010	
Approximate Percentage of Commercial Businesses in wildland fire hazard zones	Approximate Percentage of Commercial Businesses in wildland fire hazard zones - in 2010	1
Number of Critical Facilities in your Jurisdiction that are in flood hazard zones	Projected Number of Critical Facilities in your Jurisdiction that are in flood hazard zones - in 2010	1
Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones	Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones - in 2010	1
Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones.	Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones - in 2010	
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	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

Each separate jurisdiction participating in a Multi-Jurisdictional Plan, must a formally adopt the Multi-Jurisdictional Plan as their own LHMP. Even though a jurisdiction is "participating" in a multi-jurisdictional plan, EACH JURISDICTION must ensure that certain requirements of the Multi-Jurisdictional Plan have been met. Failure to do so MAY delay review and or approval of the multi-jurisdictional plan.

While each multi-jurisdictional plan must be a "stand alone" document upon completion, each jurisdiction must be aware of the information and requirements, unique to each participant, that must be provided in order for the multi-jurisdictional plan to be complete. The advantage for each local government in participating in a multi-jurisdictional plan is, among many, that most information and data (i.e. information, data, maps), may be shared by all participating jurisdictions.

The following "mini" Plan Review Crosswalk **should be completed by each participating jurisdiction** to document how and where information needed by the multi-jurisdictional planning effort, but specific to each participating jurisdiction, has been included.

Participating Jurisdiction: Moreno Valley Community Hospital	Title/Lead Jurisdiction of Multi-Jurisdictional Plan: Riverside County OES	Date of Completion: September 21, 2004
Local Point of Contact: Richard Greener	Address: 27300 Iris Avenue Moreno Valley CA. 92360	
Title: Director of Safety		
Agency: Moreno Valley Community Hospital	Email: rgreener@vhs.dst.ca.us	
Phone Number: (909) 652-2811 x 5075		

State Reviewer:	Title:	Date:
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FEMA Reviewer:	Title:	Date:
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Jurisdiction's NFIP Status*		
Y	N	N/A
		CRS Class

* Notes: [Y] – Participating [N] - Not Participating [N/A] - Not Mapped

SCORING SYSTEM: One of the following scores will be assigned to each of the following LHMP requirements.

N – Needs Improvement: The jurisdiction's portion of the multi-jurisdiction's plan does not meet the minimum for a plan requirement. Reviewer's comments must be provided.

S – Satisfactory: The jurisdiction's portion of the multi-jurisdiction's plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

Prerequisite(s) (Check Applicable Box)	NOT MET	MET
Multi-Jurisdictional Plan Adoption: §201.6(c)(5) AND		
Multi-Jurisdictional Planning Participation: §201.6(a)(3)		

Plan Maintenance Process	N	S
Monitoring, Evaluating, and Updating the Plan: §201.6(c)(4)(i)	N/A	
Incorporation into Existing Planning Mechanisms: §201.6(c)(4)(ii)		
Continued Public Involvement: §201.6(c)(4)(iii)	N/A	

Planning Process	N	S
Documentation of the Planning Process: §201.6(b) and §201.6(c)(1)	N/A	in MJP
Local Capabilities Assessment §201.4(c)(ii) and §201.6(c)(1) (State Requirement)		

Additional State Requirements*	N	S
See Planning Process, Local Capabilities Assessment	N/A	
Insert State Requirement here	N/A	

Multi-Jurisdictional Risk Assessment §201.6(c)(2)(iii)	N	S
Identifying Hazards (if applicable): §201.6(c)(2)(i)		
Profiling Hazards (if applicable): §201.6(c)(2)(i)		
Assessing Vulnerability: Overview: §201.6(c)(2)(ii)		
Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)		
Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)		
Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)		

SUPPLEMENT STATUS
SUPPLEMENT HAS REQUIREMENTS THAT "NEED IMPROVEMENT"

SUPPLEMENT STATUS
SUPPLEMENT REQUIREMENTS ARE ALL "SATISFACTORY"

Mitigation Strategy	N	S
Multi-Jurisdictional Mitigation Actions: §201.6(c)(3)(iv)		

*States that have additional requirements can add them in the appropriate sections of the *Multi-Hazard Mitigation Planning Guidance* or create a new section and modify this Plan Review Crosswalk to record the score for those requirements.

PLAN REVIEW CRITERIA	REQUIREMENT AS TAKEN FROM THE INTERIM FINAL RULE PART 201	LOCATION IN THE (MJP) MULTI JURISDICTIONAL PLAN (INDICATE SECTION OR ANNEX AND PAGE #)	SCORE / STATE / FEMA REVIEWER COMMENTS <u>SCORING SYSTEM</u> [M] MET [NM] NOT MET (FOR PREREQUISITE (S) ONLY) [N]--NEEDS IMPROVEMENT OR [S]--SATISFACTORY
PREREQUISITE (S)	NOTE: The prerequisite, or prerequisites in the case of multi-jurisdictional plans, may be reviewed before, but must be met before the plan can receive final FEMA approved.		
Multi-Jurisdictional Plan Adoption	Requirement §201.6(c)(5): Element B & C: For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must provide supporting documentation that it has been formally adopted by EACH participating jurisdiction.	To be submitted after State OES review	The County will submit to State OES the letters of adoption of the plan by each of the participating jurisdictions after the initial review by State OES and updating by Riverside County upon the return of the plan from State OES
Multi-Jurisdictional Planning Participation	Requirement §201.6(a)(3): Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process. Element A. Where in the MJP is this jurisdiction's participation, in the MJP development, documented?	Part I, Section 2 Page 6	M
PLANNING PROCESS			
Documentation of the Planning Process	Requirement - IFR §201.6(b): In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:	N/A - Should be included in the MJP	
Local Capabilities Assessment	Requirement - Section §201.4(c)(3) (ii) of the Federal Register Interim Final Rule 44 CFR Parts 201 and 206 states, "[The State mitigation strategy shall include] a general description and analysis of the effectiveness of local mitigation policies, programs, and capabilities.	See Elements A-D below.	M

Local Capabilities Assessment	<i>Element A:</i> Does the plan provide a description of the human, technical and financial resources available within this jurisdiction to engage in a mitigation planning process and to develop a local hazard mitigation plan? (These resources are described in Section 2.2 of the OES LHMP Development Guide).	Part II, Moreno Valley Community Hospital Section	N	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	<i>Element B:</i> Does the plan list local mitigation funding sources (taxes, fees, assessments or fines) which affect or promote mitigation within the reporting jurisdiction?	Part II, Moreno Valley Community Hospital Section	N	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	<i>Element C:</i> Does the plan list local ordinances which affect or promote disaster mitigation, preparedness, response or recovery within the reporting jurisdiction?	PART II Moreno Valley Community Hospital Section, Supplemental Questionnaire	S	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	<i>Element D:</i> Does the plan describe the details of ongoing mitigation projects and programs within the reporting jurisdiction?	Part II, Moreno Valley Community Hospital Section	S	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
RISK ASSESSMENT				

<p>Multi-Jurisdictional Risk Assessment</p>	<p>Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area. It should be noted that the Vulnerability Assessments are almost always unique to each jurisdiction (EXAMPLE: For a county based MJP, a school district's vulnerability to a hazard is different than the city that it is in, and the city will have different vulnerabilities than that of the overall planning area (county)).</p>	<p>Part I Earthquakes Pages 54 – 66 Weather Pages 67 – 76 Hazmat incidents Pages 94 – 101 Transportation Incidents Pages 102 – 110 Rail line emergencies Pages 102 – 110 Blackout Pages 115 – 118 Toxic pollution Pages 119 – 124 Nuclear incidents Pages 125 – 128 Terrorism Pages 135 – 139 Part II, Moreno Valley Community Hospital Section</p>	<p>S</p>	
	<p>Were unique Hazards & Hazard Profiles Included from this jurisdiction?</p>	<p>Yes Yes, Part II, Moreno Valley Community Hospital Section</p>	<p>S</p>	
	<p>Assessing Vulnerability: Overview: §201.6(c)(2)(ii)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>	<p>Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</p>
	<p>Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>	<p>Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</p>
	<p>Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>	<p>Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</p>
	<p>Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)</p>	<p>Part I, Pages 24-27 & PART II Moreno Valley Community Hospital Supplemental Questionnaire</p>	<p>S</p>	<p>Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</p>

MITIGATION STRATEGY					
Multi-Jurisdictional Mitigation Actions	Requirement §201.6(c)(3)(iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan. (That is, Does the plan include at least one identifiable action item for each jurisdiction requesting FEMA approval of the plan?)	Yes, Part II, Moreno Valley Community Hospital Section	N		
PLAN MAINTENANCE PROCESS					
Incorporation into Existing Planning Mechanisms	Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms. Has this jurisdiction included a process by which the local government will incorporate the requirements in other plans, such as comprehensive or capital improvement plans, when appropriate?	Part I, Page 143	S		
		Part I, Page 143	S		
ADDITIONAL STATE REQUIREMENTS	See Planning Process – Local Capabilities Assessment for an additional State & Local Planning Requirement.	Part I, Page 143	S		

RIVERSIDE COUNTY MULTI-
JURISDICTIONAL LOCAL HAZARD
MITIGATION AGENCY INVENTORY

Moreno Valley USD

LOCAL JURISDICTION HAZARD INVENTORY

PLEASE PROVIDE THE FOLLOWING INFORMATION

Agency/Jurisdiction:	Moreno Valley USD		
Type Agency/Jurisdiction:	Other Agency		
Contact Person:	Title:	Director	
First Name:	John	Last Name:	Baldaray
Agency Address:	Street:	13911 Perris Blvd	
	City:	Moreno Valley	
	State:	CA	
	Zip:	92553	
Contact Phone	909 571-7827	FAX	
E-mail	jbaldaray@mvusd.k12.ca.us		

Population Served	37,817	Square Miles Served	50
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Does your organization have a general plan?	YES
Does your organization have a safety component to the general plan?	YES
What year was your plan last updated?	9/5/2003

Does your organization have a disaster/emergency operations plan?	YES
What year was your plan last updated?	9/5/2003
Do you have a recovery annex or section in your plan?	YES
Do you have a terrorism/WMD annex or section in your plan?	NO

DOES YOUR ORGANIZATION HAVE:

AIRPORT IN JURISDICTION	NO
AIRPORT NEXT TO JURISDICTION	YES
DAIRY INDUSTRY	YES
POULTRY INDUSTRY	YES
CROPS/ORCHARDS	YES
DAMS IN JURISDICTION	YES
DAMS NEXT TO JURISDICTION	YES
LAKE/RESERVOIR IN JURISDICTION	YES
LAKE/RESERVOIR NEAR JURISDICTION	YES
JURISDICTION IN FLOOD PLAIN	YES
CONTROLLED FLOOD CONTROL CHANNEL	YES
UNCONTROLLED FLOOD CONTROL CHANNEL	YES
EARTHQUAKE FAULTS IN JURISDICTION	YES
EARTHQUAKE FAULTS NEXT TO JURISDICTION	YES
MOBILE HOME PARKS	YES
NON-REINFORCED FREEWAY BRIDGES	NO
NON-REINFORCED BRIDGES	NO
BRIDGES IN FLOOD PLAIN	YES
BRIDGES OVER OR ACROSS RIVER/STREAM	NO
ROADWAY CROSSING RIVER/STREAM	NO
NON REINFORCED BUILDINGS	NO
FREEWAY/MAJOR HIGHWAY IN JURISDICTION	YES
FREEWAY/MAJOR HIGHWAY NEXT TO JURISDICTION	YES
FOREST AREA IN JURISDICTION	NO
FOREST AREA NEXT TO JURISDICTION	YES
WITHIN THE 50 MILES SAN ONOFRE EVACUATION ZONE	NO
MAJOR GAS/OIL PIPELINES IN JURISDICTION	YES
MAJOR GAS/OIL PIPELINES NEXT TO JURISDICTION	YES
RAILROAD TRACKS IN JURISDICTION	NO
RAILROAD TRACKS NEXT TO JURISDICTION	YES
HAZARDOUS WASTE FACILITIES IN JURISDICTION	YES
HAZARDOUS WASTE FACILITIES NEXT TO JURISDICTION	YES
HAZARDOUS STORAGE FACILITIES IN JURISDICTION	YES
HAZARDOUS STORAGE FACILITIES NEXT TO JURISDICTION	YES

DOES YOUR ORGANIZATION OWN OR OPERATE A FACILITY

IN A FLOOD PLAIN	NO
NEAR FLOOD PLAIN	NO
NEAR RAILROAD TRACKS	YES
NEAR A DAM	YES
UPSTREAM FROM A DAM	YES
DOWNSTREAM FROM A DAM	YES
DOWNSTREAM OF A LAKE	YES
DOWNSTREAM FROM A RESERVOIR	YES
NEAR A CONTROLLED FLOOD CONTROL CHANNEL	NO
NEAR UNCONTROLLED FLOOD CONTROL CHANNEL	NO
ON AN EARTHQUAKE FAULT	NO
NEAR AN EARTHQUAKE FAULT	YES
WITHIN THE 50 MILE SAN ONOFRE EVACUATION ZONE	NO
IN A FOREST AREA	NO
NEAR A FOREST AREA	NO
NEAR A MAJOR HIGHWAY	YES
A HAZARDOUS WASTE FACILITY	NO
NEAR A HAZARDOUS WASTE FACILITY	YES
A HAZARDOUS STORAGE FACILITY	YES
NEAR A HAZARDOUS STORAGE FACILITY	YES
NON REINFORCED BUILDINGS	NO
A MAJOR GAS/OIL PIPELINE	NO
NEAR A MAJOR GAS/OIL PIPELINE	YES

DOES YOUR ORGANIZATION HAVE ANY LOCATIONS THAT:

HAVE BEEN DAMAGED BY EARTHQUAKE AND NOT REPAIRED	
HAVE BEEN DAMAGED BY FLOOD	
HAVE BEEN DAMAGED BY FLOOD MORE THAN ONCE	
HAVE BEEN DAMAGED BY FOREST FIRE	
HAVE BEEN DAMAGED BY FOREST FIRE MORE THAN ONCE	
HAVE BEEN IMPACTED BY A TRANSPORTATION ACCIDENT	
HAVE BEEN IMPACTED BY A PIPELINE EVENT	

**EMERGENCY OPERATIONS INFORMATION
DOES YOUR ORGANIZATION HAVE AN EOC**

YES
NO
NO
YES
YES
YES
YES
YES
YES
YES
YES
YES
NO
YES
NO
NO
NO
YES
NO
NO
YES
NO
YES
NO
YES
NO
YES
YES

IS YOUR EOC LOCATED:

- IN A FLOOD PLAIN
- NEAR FLOOD PLAIN
- NEAR RAILROAD TRACKS
- NEAR A DAM
- UPSTREAM FROM A DAM
- DOWNSTREAM FROM A DAM
- DOWNSTREAM OF A LAKE
- DOWNSTREAM FROM A RESERVOIR
- NEAR A CONTROLLED FLOOD CONTROL CHANNEL
- NEAR UNCONTROLLED FLOOD CONTROL CHANNEL
- ON AN EARTHQUAKE FAULT
- NEAR AN EARTHQUAKE FAULT
- WITHIN THE 50 MILE SAN ONOFRE EVACUATION ZONE
- IN A FOREST AREA
- NEAR A FOREST AREA
- NEAR A MAJOR HIGHWAY
- A HAZARDOUS WASTE FACILITY
- NEAR A HAZARDOUS WASTE FACILITY
- A HAZARDOUS STORAGE FACILITY
- NEAR A HAZARDOUS STORAGE FACILITY
- NON REINFORCED BUILDINGS
- A MAJOR GAS/OIL PIPELINE
- NEAR A MAJOR GAS/OIL PIPELINE

OTHER FACILITY INFORMATION

- ARE THERE LOCATIONS WITHIN YOUR JURISDICTION THAT:
- COULD BE CONSIDERED A TERRORIST TARGET
- COULD BE CONSIDERED A BIO-HAZARD RISK

YES
YES

Specific Hazards Summary				
Jurisdiction	Hazard Type	Hazard Name	In Jurisdiction?	Adjacent to Jurisdiction?
Moreno Valley, USD	Dam	Lake Perris Dam	No	Yes
Moreno Valley, USD	Dam	Perris Dam	No	Yes
Moreno Valley, USD	Dam	Pigeon Pass Dam	Yes	No
Moreno Valley, USD	Fault	San Jacinto Fault	Yes	No
Moreno Valley, USD	Flood Channel	Oleander Channel	No	Yes
Moreno Valley, USD	Flood Channel	Perris Valley Channel	No	Yes
Moreno Valley, USD	Flood Channel	Quincy Flood Channel	Yes	No
Moreno Valley, USD	Hazmat Storage Location	Transportation Fuel	Yes	No
Moreno Valley, USD	Lake	Lake Perris	No	Yes
Moreno Valley, USD	Pipeline	High Pressure Gas Line	Yes	No
Moreno Valley, USD	Pipeline	Jet Fuel Line	Yes	No
Moreno Valley, USD	Railroad Track	Santa Fe Railroad	No	Yes
Moreno Valley, USD	Railroad Track	Union Pacific	No	Yes
Moreno Valley, USD	Reservoir	Poor Man's Reservoir	Yes	No

Jurisdiction's Critical Facility Evaluation

In December of 2001, the County of Riverside, in cooperation with local jurisdictions and agencies, developed an Emergency Response Database. This database was created so emergency planners could use the database as a planning tool as well as quickly determine the potential impact an event may have on a community, district, or specific site. During the creation of the Emergency Response Database, contributors were asked to identify critical facilities within their jurisdictions under the following sections:

- Airports
- Community Colleges
- Dams
- Schools
 - Preschools
 - Elementary Schools
 - Middle Schools
 - High Schools
- Fire Stations
- Government Buildings
- Highways
- Hospitals
- Red Cross Shelters
- Law Enforcement Facilities
- Waste Management Sites
- Reservoirs / Water tanks

For each site, the user can identify at a minimum, the address of the site, the type of structure, and the type of occupancy and site contact information.

During the creation of this Multi-Jurisdictional Local Hazard Mitigation Plan, it was determined that the Emergency Response Database could provide vital information for this project and it would be utilized as the source for the identification of critical facilities within hazard areas. To ensure the most up-to-date data was used, all participants involved updated the critical facilities data at the beginning of the Hazard Mitigation Plan project. The critical facility list for this jurisdiction will be reviewed and updated regularly to ensure that the vulnerability of each location is evaluated on a regular basis.

Because of the sensitive nature of the data obtained through this process, address information will not be included in the identification of critical facilities for the protection of all participants.

LOCAL JURISDICTION VULNERABILITY WORKSHEET

NAME: John Baldaray AGENCY: Moreno Valley USD DATE: 6/30/04

HAZARD	COUNTY		LOCAL JURISDICTION		RANKING 1 - 19
	SEVERITY 0 - 4	PROBABILITY 0 - 4	SEVERITY 0 - 4	PROBABILITY 0 - 4	
EARTHQUAKE	4	3	4	3	1
WILDLAND FIRE	3	4	1	4	5
FLOOD	3	3	1	2	9
OTHER NATURAL HAZARDS					
DROUGHT	3	3	1	3	16
LANDSLIDES	2	3	1	2	17
INSECT INFESTATION	3	4	0	2	19
EXTREME SUMMER/WINTER WEATHER	2	4	1	3	6
SEVERE WIND EVENT	3	3	1	3	18
AGRICULTURAL					
DISEASE/CONTAMINATION	3	4	2	3	15
TERRORISM	4	2	4	2	12
OTHER MAN-MADE					
PIPELINE	2	3	2	3	13
AQUEDUCT	2	3	2	3	14
TRANSPORTATION	2	4	2	3	10
BLACKOUTS	3	4	2	4	7
HAZMAT ACCIDENTS	3	3	2	3	4
NUCLEAR ACCIDENT	4	2	3	2	2
TERRORISM	4	2	4	2	3
CIVIL UNREST	2	2	1	2	8
JAIL/PRISON EVENT	1	2	1	2	11
OTHER - PLEASE DESCRIBE BELOW					

LOCAL JURISDICTION MITIGATION GOALS

Please evaluate the priority level for each listed mitigation activity identified below as it relates to your jurisdiction or facility. If you have any additional mitigation activities or recommendations, please list them at the end of this document.

Place an H (High), M (Medium), L (Low), or N/A (Not Applicable) for your priority level for each activity in the box next to the activity.

EARTHQUAKE

H	Aggressive public education campaign in light of predictions
M	Generate new literature for dissemination to:
	◇ Government employees
	◇ Businesses
	◇ Hotel/motel literature
	◇ Local radio stations for education
	◇ Public education via utilities
	◇ Identify/create television documentary content
H	Improve the Emergency Alert System (EAS)
	◇ Consider integration with radio notification systems
	◇ Upgrade alerting and warning systems for hearing impaired
	◇ Training and maintenance
H	Procure earthquake-warning devices for critical facilities
H	Reinforce emergency response facilities
M	Provide training to hospital staffs
L	Require earthquake gas shutoffs on remodels/new construction
H	Evaluate re-enforcing reservoir concrete bases
M	Evaluate EOCs for seismic stability
H	Install earthquake cutoffs at reservoirs
H	Install earthquake-warning devices at critical facilities
M	Develop a dam inundation plan for new Diamond Valley Reservoir
M	Earthquake retrofitting
	◇ Bridges/dams/pipelines
	◇ Government buildings/schools
	◇ Mobile home parks
M	Develop educational materials on structural reinforcement and home inspections (ALREADY DEVELOPED)
M	Ensure Uniform Building Code compliance
	◇ Update to current compliance when retrofitting
L	Insurance coverage on public facilities
M	Funding for non-structural abatement (Earthquake kits, etc.)

L	Pre - identify empty commercial space for seismic re-location
M	Electrical co-generation facilities need retrofitting/reinforcement (Palm Springs, others?)
H	Mapping of liquefaction zones
H	Incorporate County geologist data into planning
H	Backup water supplies for hospitals
H	Evaluate pipeline seismic resiliency
L	Pre-positioning of temporary response structures
L	Fire sprinkler ordinance for all structures
M	Evaluate adequacy of reservoir capacity for sprinkler systems
L	Training/standardization for contractors performing retrofitting
H	Website with mitigation/contractor/retrofitting information
	◇ Links to jurisdictions
	◇ Alerting information
	◇ Volunteer information
H	Evaluate depths of aquifers/wells for adequacy during quakes
M	Evaluate hazmat storage regulations near faults

COMMUNICATIONS IN DISASTER ISSUES

H	Communications Interoperability
M	Harden repeater sites
H	Continue existing interoperability project
M	Strengthen/harden
M	Relocate
H	Redundancy
M	Mobile repeaters

FLOODS

H	Update development policies for flood plains
H	Public education on locations of flood plains
L	Develop multi-jurisdictional working group on floodplain management
L	Develop greenbelt requirements in new developments
L	Update weather pattern/flood plain maps
L	Conduct countywide study of flood barriers/channels/gates/water dispersal systems
L	Required water flow/runoff plans for new development
M	Perform GIS mapping of flood channels, etc.
L	Install vehicular crossing gates/physical barriers for road closure
H	Maintenance of storm sewers/flood channels
H	Create map of flood channels/diversions/water systems etc
L	Require digital floor plans on new non-residential construction

M	Upgrade dirt embankments to concrete
M	Conduct countywide needs study on drainage capabilities
M	Increase number of pumping stations
M	Increase sandbag distribution capacities
M	Develop pre-planned response plan for floods
	◇ Evacuation documentation
	◇ Re-examine historical flooding data for potential street re-design
M	Training for city/county PIOs about flood issues
H	Warning systems - ensure accurate information provided
	◇ Publicize flood plain information (website?)
	◇ Install warning/water level signage
	◇ Enhanced public information
	◇ Road closure compliance
	◇ Shelter locations
	◇ Pre-event communications
M	Look at County requirements for neighborhood access
	◇ Secondary means of ingress/egress
L	Vegetation restoration programs
M	Ensure critical facilities are hardened/backed up
M	Hardening water towers
H	Terrorism Surveillance - cameras at reservoirs/dams
H	Riverbed maintenance
M	Evaluate existing lift stations for adequacy
L	Acquisition of property for on-site retention
M	Evaluate regulations on roof drainage mechanisms
M	Erosion-resistant plants
H	Traffic light protection
L	Upkeep of diversionary devices
H	Install more turn-off valves on pipelines
H	Backup generation facilities
H	Identify swift water rescue capabilities across County

WILDFIRES

H	Aggressive weed abatement program
	◇ Networking of agencies for weed abatement
H	Develop strategic plan for forest management
M	Public education on wildfire defense
L	Encourage citizen surveillance and reporting
L	Identify hydrants with equipment ownership information
H	Enhanced fire fighting equipment

M	Fire spotter program/red flag program
	◇ Expand to other utilities
M	Research on insect/pest mitigation technologies
L	Volunteer home inspection program
L	Public education program
	◇ Weather reporting/alerting
	◇ Building protection
	◇ Respiration
M	Pre-identify shelters/recovery centers/other resources
M	Roofing materials/defensive spacing regulations
L	Community task forces for planning and education
H	Fuel/dead tree removal
M	Strategic pre-placement of fire fighting equipment
M	Establish FEMA coordination processes based on ICS
H	Brush clearings around repeaters
M	Research new technologies for identifying/tracking fires
M	Procure/deploy backup communications equipments
M	"Red Tag" homes in advance of event
L	Provide fire-resistant gel to homeowners
H	Involve insurance agencies in mitigation programs
M	Clear out abandoned vehicles from oases
H	Code enforcement
H	Codes prohibiting fireworks
M	Fuel modification/removal
H	Evaluate building codes
M	Maintaining catch basins

OTHER HAZARDS

M	Improve pipeline maintenance
H	Wetlands mosquito mitigation (West Nile Virus)
M	Insect control study
L	Increase County Vector Control capacities
L	General public drought awareness
	◇ Lawn watering rotation
M	Develop County drought plan
L	Mitigation of landslide-prone areas
L	Develop winter storm sheltering plan
L	Ease permitting process for building transmission lines
L	Evaluate restrictions on dust/dirt/generating activities during wind seasons
M	Rotational crop planning/soil stabilization

M	Enhance agricultural checkpoint enforcement
M	Agriculture - funding of detection programs
L	Communications of pipeline maps (based on need to know)
H	Improved notification plan on runaway trains
M	Improve/maintain blackout notification plan.
H	Support business continuity planning for utility outages
H	Terrorism training/equipment for first responders
	◇ Terrorism planning/coordination
	◇ Staffing for terrorism mitigation
L	Create a SONGS regional planning group
	◇ Include dirty bomb planning
L	Cooling stations - MOUs in place
L	Fire Ant eradication program
L	White Fly infestation abatement/eradication program
M	Develop plan for supplemental water sources
M	Public education on low water landscaping
L	Salton Sea desalinization
H	Establish agriculture security standards (focus on water supply)
M	ID mutual aid agreements
L	Vulnerability assessment on fiber-optic cable
M	Upgrade valves on California aqueduct
H	Public education
	◇ Bi-lingual signs
L	◇ Blackout information
L	Notification system for rail traffic - container contents
M	Control and release of terrorism intelligence
L	Develop prison evacuation plan (shelter in place?)

LOCAL JURISDICTION PROPOSED MITIGATION ACTION AND STRATEGY PROPOSAL

Jurisdiction: MORENO VALLEY USD
Contact: JOHN BALDARAY
Phone: 951-571-7827

MITIGATION STRATEGY INFORMATION

Proposal Name:

COMMUNICATION MODIFICATION

Proposal Location:

ALL SCHOOLS WITHIN THE DISTRICT

Proposal Type

Place an "X" by the type of mitigation strategy (one or more may apply)

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | Flood and mud flow mitigation |
| <input type="checkbox"/> | Fire mitigation |
| <input type="checkbox"/> | Elevation or acquisition of repetitively damaged structures or structures in high hazard areas |
| <input checked="" type="checkbox"/> | Mitigation Planning (i.e. update building codes, planning develop guidelines, etc.) |
| <input type="checkbox"/> | Development and implementation of mitigation education programs |
| <input checked="" type="checkbox"/> | Development or improvement of warning systems |
| <input type="checkbox"/> | Additional Hazard identification and analysis in support of the local hazard mitigation plan |
| <input type="checkbox"/> | Drinking and/or irrigation water mitigation |
| <input type="checkbox"/> | Earthquake mitigation |
| <input type="checkbox"/> | Agriculture - crop related mitigation |
| <input type="checkbox"/> | Agriculture - animal related mitigation |
| <input type="checkbox"/> | Flood inundation/Dam failure |
| <input type="checkbox"/> | Weather/Temperature event mitigation |

DESCRIPTION OF THE PROPOSED MITIGATION STRATEGY

List any previous disaster related events (dates, costs, etc)

Proposal/Event History

The current communication system for district-wide emergency is severely lacking. The current system (besides normal equipment, i.e. phones, email, fax, etc.) consist of handheld radios that have proven to be inadequate during district-wide emergencies.

The communication traffic would limit the district quick reaction to those with immediate needs. Also, immediate and confidential communication with site administrators is almost nil.

Narrative:

Give a detailed description of the need for the proposal, any history related to the proposal. List the activities necessary for its completion in the narrative section below.

The purpose of the proposal would be to update the School District's communication plan by researching how best to supplement or replace current equipment.

The proposal will include the review of our current plan and new technology to make communication more efficient and to help speed recovery.

Does your jurisdiction have primary responsibility for the proposal? If not, what agency does?

Yes	X	No		Responsible Agency:
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FUNDING INFORMATION

Place an "X" by the proposed source of funding for this proposal

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | Unfunded proposal - funds are not available for the proposal at this time |
| <input checked="" type="checkbox"/> | Local jurisdiction General Fund |
| <input type="checkbox"/> | Local jurisdiction Special Fund (road tax, assessment fees, etc.) |
| <input type="checkbox"/> | Non-FEMA Hazard Mitigation Funds |

Local Hazard Mitigation Grant Funds - Future Request
 Hazard Mitigation Funds

YES Has your jurisdiction evaluated this mitigation strategy to determine it's cost benefits?
(i.e. has the cost of the mitigation proposal been determined to be beneficial in relationship to the potential damage or loss using the attached Cost/Benefit Analysis Sheet or another internal method)

LOCAL JURISDICTION DEVELOPMENT TRENDS QUESTIONNAIRE

LAND USE ISSUES - COMPLETE THE INFORMATION BELOW JURISDICTION: Moreno Valley USD		DOES YOUR AGENCY HAVE RESPONSIBILITY FOR LAND USE AND/OR DEVELOPMENT ISSUES WITHIN YOUR JURISDICTIONAL BOUNDARIES? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Current Population in Jurisdiction or Served	38000	Projected Population in Jurisdiction or Served - in 2010	42000
Current Sq Miles in Jurisdiction or Served	56	Projected Sq Miles in Jurisdiction or Served - in 2010	56
Does Your Jurisdiction have any ordinances or regulations dealing with disaster mitigation, disaster preparation, or disaster response?			
What is the number one land issue your agency will face in the next five years			
SITES FOR NEW SCHOOLS			
Approximate Number of Homes/Apts/etc.		Projected Number of Homes/Apts/etc.- in 2010	
Approximate Total Residential Value		Projected Residential Total Value - in 2010	
Approximate Number of Commercial Businesses		Projected Number of Commercial Businesses - in 2010	
Approximate Percentage of Homes/Apts/etc in flood hazard zones		Approximate Percentage of Homes/Apts/etc in flood hazard zones - in 2010	
Approximate Percentage of Homes/Apts/etc in earthquake hazard zones		Approximate Percentage of Homes/Apts/etc in earthquake hazard zones - in 2010	
Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones		Approximate Percentage of Homes/Apts/etc in wildland fire hazard zones - in 2010	
Approximate Percentage of Commercial Businesses in flood hazard zones		Approximate Percentage of Commercial Businesses in flood hazard zones - in 2010	
Approximate Percentage of Commercial Businesses in earthquake hazard zones		Approximate Percentage of Commercial Businesses in earthquake hazard zones - in 2010	
Approximate Percentage of Commercial Businesses in wildland fire hazard zones		Approximate Percentage of Commercial Businesses in wildland fire hazard zones - in 2010	
Number of Critical Facilities in your Jurisdiction that are in flood hazard zones		Projected Number of Critical Facilities in your Jurisdiction that are in flood hazard zones - in 2010	
Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones	40	Number of Critical Facilities in your Jurisdiction that are in earthquake hazard zones - in 2010	45
Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones	3	Number of Critical Facilities in your Jurisdiction that are in wildland fire hazard zones - in 2010	
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	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

Supplement for all CA Local Government Jurisdictions participating in Multi-Jurisdictional, Local Hazard Mitigation Plans

Each separate jurisdiction participating in a Multi-Jurisdictional Plan, must formally adopt the Multi-Jurisdictional Plan as their own LHMP. Even though a jurisdiction is "participating" in a multi-jurisdictional plan, EACH JURISDICTION must ensure that certain requirements of the Multi-Jurisdictional Plan have been met. Failure to do so MAY delay review and or approval of the multi-jurisdictional plan.

While each multi-jurisdictional plan must be a "stand alone" document upon completion, each jurisdiction must be aware of the information and requirements, unique to each participant, that must be provided in order for the multi-jurisdictional plan to be complete. The advantage for each local government in participating in a multi-jurisdictional plan is, among many, that most information and data (i.e. information, data, maps), may be shared by all participating jurisdictions.

The following "mini" Plan Review Crosswalk **should be completed by each participating jurisdiction** to document how and where information needed by the multi-jurisdictional planning effort, but specific to each participating jurisdiction, has been included.

Participating Jurisdiction: Moreno Valley Unified School District	Title/Lead Jurisdiction of Multi-Jurisdictional Plan: Riverside County OES	Date of Completion: September 15, 2004
Local Point of Contact: John Baldaray	Address: 13911 Perris Blvd. Moreno Valley, CA 92553	
Title: Director, Warehouse/Emergency Operations		
Agency: Moreno Valley Unified School District		
Phone Number: (951) 571-7827	E-Mail: jbaldaray@mvusd.k12.ca.us	

State Reviewer:	Title:	Date:
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FEMA Reviewer:	Title:	Date:
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Jurisdiction's NFIP Status*		
Y	N	N/A
		CRS Class

* **Notes: [Y] – Participating [N] - Not Participating [N/A] - Not Mapped**

SCORING SYSTEM: One of the following scores will be assigned to each of the following LHMP requirements.

N – Needs Improvement: The jurisdiction's portion of the multi-jurisdiction's plan does not meet the minimum for a plan requirement. Reviewer's comments must be provided.

S – Satisfactory: The jurisdiction's portion of the multi-jurisdiction's plan meets the minimum for the requirement. Reviewer's comments are encouraged, but not required.

PLAN REVIEW CRITERIA	REQUIREMENT AS TAKEN FROM THE INTERIM FINAL RULE PART 201	LOCATION IN THE (MJP) MULTI JURISDICTIONAL PLAN (INDICATE SECTION OR ANNEX AND PAGE #)	SCORE / STATE / FEMA REVIEWER COMMENTS <u>SCORING SYSTEM</u> [M] MET [NM] NOT MET (FOR PREREQUISITE (S) ONLY) [N]--NEEDS IMPROVEMENT OR [S]--SATISFACTORY
PREREQUISITE (S)	NOTE: The prerequisite, or prerequisites in the case of multi-jurisdictional plans, may be reviewed before, but must be met before the plan can receive final FEMA approved.		
Multi-Jurisdictional Plan Adoption	Requirement §201.6(c)(5): Element B & C: For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must provide supporting documentation that it has been formally adopted by EACH participating jurisdiction.	To be submitted after State OES review	The County will submit to State OES the letters of adoption of the plan by each of the participating jurisdictions after the initial review by State OES and updating by Riverside County upon the return of the plan from State OES
Multi-Jurisdictional Planning Participation	Requirement §201.6(a)(3): Multi-jurisdictional plans (e.g., watershed plans) may be accepted, as appropriate, as long as each jurisdiction has participated in the process. Element A. Where in the MJP is this jurisdiction's participation, in the MJP development, documented?	Part I, Section 2 Page 6	M
PLANNING PROCESS			
Documentation of the Planning Process	Requirement - IFR §201.6(b): In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:	N/A - Should be included in the MJP	
Local Capabilities Assessment	Requirement - Section §201.4(c)(3) (ii) of the Federal Register Interim Final Rule 44 CFR Parts 201 and 206 states, "[The State mitigation strategy shall include] a general description and analysis of the effectiveness of local mitigation policies, programs, and capabilities.	See Elements A-D below.	M

Local Capabilities Assessment	<i>Element A:</i> Does the plan provide a description of the human, technical and financial resources available within this jurisdiction to engage in a mitigation planning process and to develop a local hazard mitigation plan? (These resources are described in Section 2.2 of the OES LHMP Development Guide).	Part II, Moreno Valley Unified School District Section	N	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	<i>Element B:</i> Does the plan list local mitigation funding sources (taxes, fees, assessments or fines) which affect or promote mitigation within the reporting jurisdiction?	Part II, Moreno Valley Unified School District Section	N	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	<i>Element C:</i> Does the plan list local ordinances which affect or promote disaster mitigation, preparedness, response or recovery within the reporting jurisdiction?	PART II Moreno Valley Unified School District Section, Supplemental Questionnaire	S	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
Local Capabilities Assessment	<i>Element D:</i> Does the plan describe the details of ongoing mitigation projects and programs within the reporting jurisdiction?	Part II, Moreno Valley Unified School District Section	S	<i>Note: This information is required to complete the State Hazard Mitigation Plan and must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</i>
RISK ASSESSMENT				

<p>Multi-Jurisdictional Risk Assessment</p>	<p>Requirement §201.6(c)(2)(iii): For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area. It should be noted that the Vulnerability Assessments are almost always unique to each jurisdiction (EXAMPLE: For a county based MJP, a school district's vulnerability to a hazard is different than the city that it is in, and the city will have different vulnerabilities than that of the overall planning area (county)).</p>	<p>Part I Wildfire Pages 28 – 40 Flooding Pages 41 – 53 Earthquakes Pages 54 – 66 Weather Pages 67 – 76 Dam failure Pages 85 – 93 Hazard incidents Pages 94 – 101 Transportation Incidents Pages 102 – 110 Rail line emergencies Pages 102 – 110 Airline / airport emergencies Pages 102 – 110 Pipeline/Aqueduct incidents Pages 111 – 114 Blackout Pages 115 – 118 Toxic pollution Pages 119 – 124 Nuclear incidents Pages 125 – 128 Terrorism Pages 135 – 139</p> <p>Part II, Moreno Valley Unified School District Section</p>	<p>S</p>	
	<p>Were unique Hazards & Hazard Profiles Included from this jurisdiction?</p>	<p>Yes Yes, Part II, Moreno Valley Unified School District Section</p>	<p>S</p>	
	<p>Assessing Vulnerability: Overview: §201.6(c)(2)(ii)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>	
	<p>Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)</p>	<p>Part I, Pages 19-139</p>	<p>S</p>	<p>Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.</p>

	Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)	Part I, Pages 19-139	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
	Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)	Part I, Pages 24-27 & PART II Moreno Valley Unified School District Supplemental Questionnaire	S	Note: This information must be covered. However, a "Needs Improvement" score on this requirement will not preclude the plan from passing.
MITIGATION STRATEGY				
Multi-Jurisdictional Mitigation Actions	Requirement §201.6(c)(3)(iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan. (That is, Does the plan include at least one identifiable action item for each jurisdiction requesting FEMA approval of the plan?)	Yes, Part II, Moreno Valley Unified School District Section	N	
PLAN MAINTENANCE PROCESS				
Incorporation into Existing Planning Mechanisms	Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms. Has this jurisdiction included a process by which the local government will incorporate the requirements in other plans, such as comprehensive or capital improvement plans, when appropriate?	Part I, Page 143	S	
		Part I, Page 143	S	
ADDITIONAL STATE REQUIREMENTS	See Planning Process – Local Capabilities Assessment for an additional State & Local Planning Requirement.	Part I, Page 143	S	