

APPENDIX A
City and CCUSD Adoption Resolutions

Upon adoption, copies of the resolutions will be inserted here.

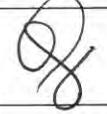
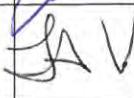
APPENDIX B
Planning Process Documentation

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B.1 Steering Committee Meetings

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Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Kickoff Meeting
 July 9, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Diego Cevallos	Aquatics Coordinator	City of Culver City PRCS	4175 Overland Ave. Culver City, CA 90230	diego.cevallos@culvercity.org	310-253-6684	
Heidi Hattrup	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	heidi.hattrup@culvercity.org <i>heidi.hattrup@culvercity.org</i>	310-253-6120	
Angelina Garcia	ACFO	CC-Finance	97700 Duquesne Ave. Culver City, CA 90230	Angelina.garcia@culvercity.org	310-253-6023	
Craig Johnson	Building Official	Culver City	9770 Culver Blvd. Culver City, CA 90232	Craig.johnson@culvercity.org	310-253-8500	
Johnnie Griffing	GIS Project Manager	IT	9770 Culver Blvd. Culver City, CA 90232	John.griffing@culvercity.org	310-253-5976	
Joe Susca	Sr. Management Analyst	Culver City PW	9770 Culver Blvd. Culver City, CA 90232	Joe.susca@culvercity.org	310-253-5636	
Jane Leonard	Sr. Management Analyst	Transportation	4343 Duquesne Ave. Culver City, CA	Jane.leonarde@culvercity.org	310-253-6523	
Lisa Vidra	SK Deputy City Attorney	City Attorney	9770 Culver Blvd. Culver City, CA 90232	lisa.vidra@culvercity.org <i>LISA.VIDRA</i>	310-253-5673	
Melissa Wilson for Jeanne Woo	Disaster Preparedness Specialist	Red Cross	1450 11 th St. Santa Monica, Ca 90405	Melissa.wilson@redcross.org/ jeannewoo@redcross.org	310-405-2191	
Jose Mendivil	Associate Planner	Culver City Planning	9770 Culver Blvd. Culver City, CA 90232	Jose.mendivil@culvercity.org	310-253-5757	

Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Kickoff Meeting
 July 9, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Mike Reynolds	Assistant Superintendent	CCUSD	4034 Irving Place	Mikereynolds@ccusd.org	310-842-4220 x4226	
Charles Herbertson	Public Works Director/City Engineer	City of Culver City	9770 Culver Boulevard	Charles.herbertson@culvercity.org	310-253-5630	
David Leuck	Technical Services Manager	City of Culver City	9770 Culver Blvd.	david.leuck@culvercity.org	310-253-5961	DL
Aubrey Kellum	LT.	PD	4040 Duquesne Ave	aubrey.kellum@culvercity.org	310-253-6202	
Christine Parra	Emergency Prep Coordinator	City of CC	9770 Culver Blvd	christine.parra@culvercity.org	310 253-5969	CP
Paul Weinberg	Emergency Services Administration SM	Santa Monica	333 Olympic Dr. Santa Monica, CA 90401	Paul.Weinberg@smsh.net	310 458-8686	



Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #1

July 9, 2015

10:00 a.m. – 12:00 p.m.

AGENDA

- I. Purpose & Requirements of the MJHMP**
 - a. Purpose of the Multi-Jurisdictional Hazard Mitigation Plan (MJHMP)
 - b. Plan requirements and components

- II. Hazard Profiles**
 - a. Identification of hazards
 - b. Previous hazard events
 - c. Collection of information and resources
 - i. Plans/studies
 - ii. Policies/programs
 - iii. Technical data
 - iv. GIS data
 - v. Intrinsic/historic knowledge

- III. Review and Identify Critical Facilities**
 - a. Review existing list (previously provided) and update/revise

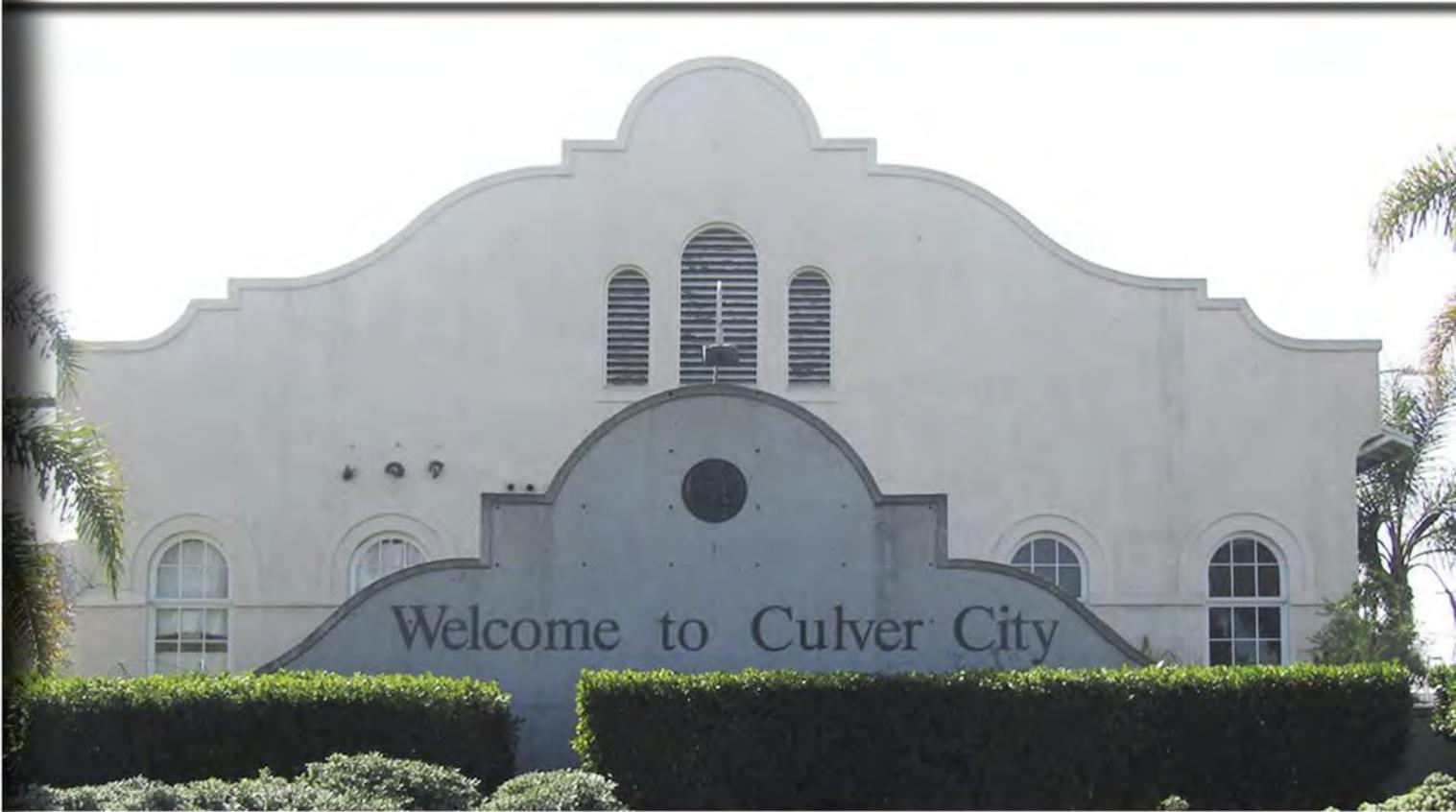
- IV. Public Involvement**
 - a. Public notices list
 - b. Survey development
 - c. Webpage development
 - d. Fiesta La Ballona
 - e. Community Open House

- V. Next Steps**
 - a. Continue to gather information/resources
 - b. Prepare hazard profiles
 - c. Steering Committee Meeting #2

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan Steering Committee Meeting #1



July 9, 2015



Michael Baker
INTERNATIONAL

Agenda

- Purpose & Requirements of the MJHMP (30 minutes)
- Hazard Profiles (40 minutes)
- Review and Identify Critical Facilities (20 minutes)
- Public Involvement (10 minutes)
- Next Steps (10 minutes)
- Questions/Additional Discussion (10 minutes)

PURPOSE & REQUIREMENTS OF THE MJHMP

Purpose and Objectives

What is Hazard Mitigation?

- Sustained actions taken to reduce or eliminate long-term risk to life and property from hazards

What is a Hazard Mitigation Plan?

- A plan based on a community's values and needs
- Results from a process oriented approach (important)
- Focuses on mitigation strategies (making the future safer)

Objective:

FEMA Grant Funding Eligibility

Purpose of the MJHMP

- Coordinated approach to hazards assessment for multiple agencies (City/CCUSD)
- Identifies natural hazards that impact the planning area
- Identifies policies and actions to reduce losses from those hazards
 - break the cycle of repeat disaster damage
- Establishes a coordinated process to implement the plan
- Provides opportunity for individual jurisdictions to tailor the plan to their needs

Goals of the Culver City and CCUSD MJHMP

- **Protect Life and Property**
 - Implement activities that assist in protecting lives by making homes, businesses, infrastructure, critical facilities, and other property more resistant to losses from hazards.
 - Reduce losses and repetitive damages for chronic hazard events while promoting insurance coverage for catastrophic hazards.
 - Improve hazard assessment information to make recommendations for discouraging new development in high hazard areas and encouraging preventative measures for existing development in areas vulnerable to hazards.
- **Public Awareness**
 - Develop and implement educational outreach programs to increase public awareness of the risks associated with hazards.
 - Provide information on tools, partnership opportunities and funding resources to assist in implementing mitigation activities.

Goals of the Culver City and CCUSD MJHMP

■ Natural Systems

- Balance natural resource management and land use planning with natural hazard mitigation to protect life, property, and the environment.
- Preserve, rehabilitate and enhance natural systems to serve natural hazard

■ Partnerships and Implementation

- Strengthen communication and coordinate participation among and within public agencies, residents, non-profit organizations, business, and industry to gain a vested interest in implementation.
- Encourage leadership within public and private sector organizations to prioritize and implement local and regional hazard mitigation activities.

Goals of the Culver City and CCUSD MJHMP

■ Emergency Services

- Establish policy to ensure mitigation projects for critical facilities, services and infrastructure.
- Strengthen emergency operations by increasing collaboration and coordination among public agencies, non-profit organizations, business and industry.
- Coordinate and integrate hazard mitigation activities; where appropriate, with emergency operations plans and procedures.

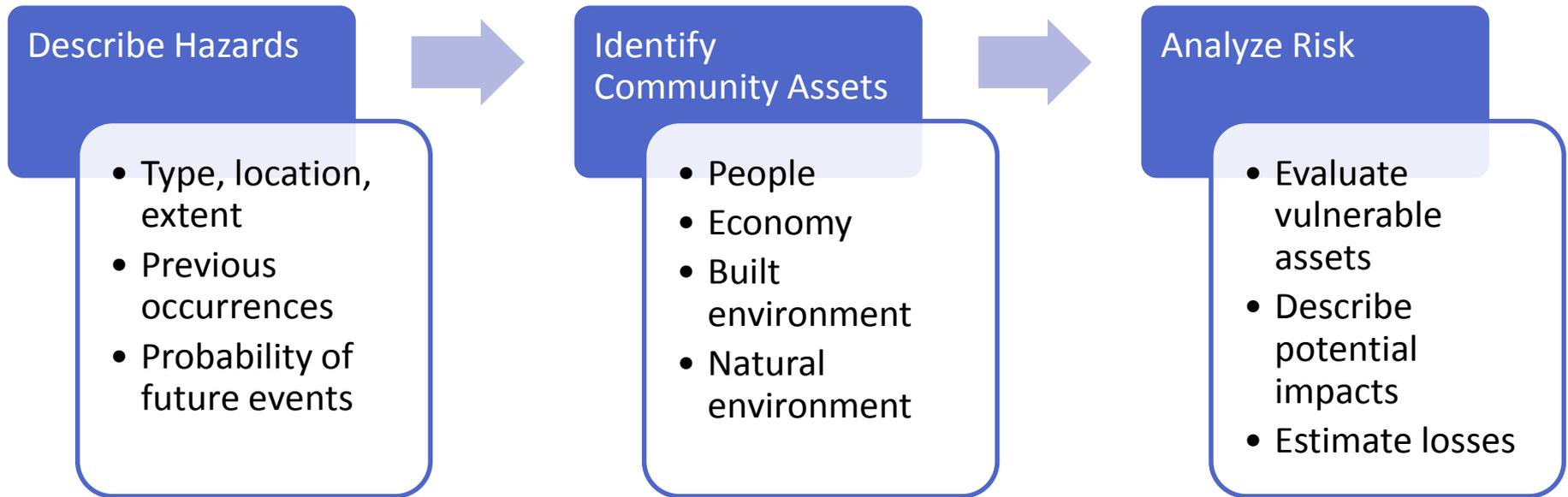
Requirements of the MJHMP

- Planning Process
- Hazard Identification and Risk Assessment
- Mitigation Strategy
- Plan Review, Evaluation, and Implementation
 - Applicable to plan updates only
- Plan Adoption

Planning Process

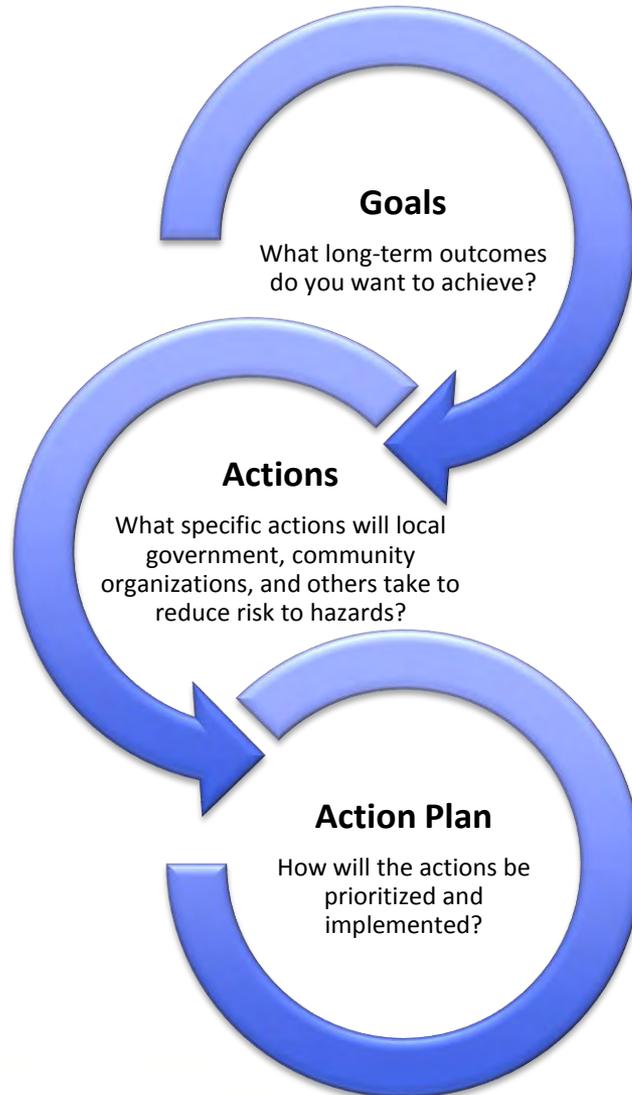
- Provide and document opportunities for stakeholder and public involvement
- Review and incorporate existing plans, studies, reports, and technical information
- Document how the plan was prepared and who was involved
- Identify how the plan will be monitored, evaluated, and updated within a five-year cycle
 - *Provide for continued public participation in plan maintenance*

Hazard Identification and Risk Assessment



Summarize and Document Risk Assessment

Mitigation Strategy



- Reduce potential losses identified in the risk assessment based on local authorities, policies, programs, and resources, and ability to expand on existing tools
 - Review risk assessment
 - Assess capabilities

Mitigation Strategy

- Comprehensive range of mitigation actions and projects
 - Emphasize existing and new buildings and infrastructure
- Types of mitigation actions
 - Local plans and regulations
 - Structure and infrastructure projects
 - Natural systems protection
 - Education and awareness programs
- Action Plan
 - Incorporate into existing plans and policies
 - Identify who responsible, funding mechanisms, other resources, when completed and how prioritized



Plan Adoption

- Plan submitted to Cal OES/FEMA for review
 - Receive “Approval Pending Adoption”
- City and CCUSD adopt the MJHMP
 - Must be adopted within one calendar year
 - Documentation of adoption (resolution) provided to FEMA
- FEMA issues approval letter



HAZARD PROFILES

Hazard Profiles

- **Identify hazards affecting the City/CCUSD**
 - Natural (required)
 - Human-caused (optional)
- **Profiles must include:**
 - Location – geographic areas that may be affected
 - Extent – strength or magnitude of the hazard
 - Previous occurrence – history of previous hazard events
 - Future probability – likelihood of hazard occurring

FEMA-Suggested Hazards

Avalanche	Flood	Sea level rise
Climate change	Geological hazards	Seismic hazards
Coastal erosion	Hailstorm	Severe winter storm
Coastal storm	Hazardous materials	Tornado
Dam failure	Human-caused hazards	Tsunami
Disease/pest management	Hurricane	Volcano
Drought	Land subsidence	Wildfire
Earthquake fault rupture	Landslide and mudflow	Wind
Expansive soils	Lightning	Windstorm
Extreme heat	Liquefaction	

Relevant Hazards

Avalanche	Flood	Seismic hazards
Climate change*	Geological hazards	Severe winter storm
Coastal erosion	Hailstorm	Tornado
Coastal storm	Hazardous materials	Tsunami
Dam failure	Human-caused hazards	Volcano
Disease/pest management	Hurricane	Wildfire
Drought	Land subsidence	Wind
Earthquake fault rupture	Landslide and mudflow	Windstorm
Expansive soils	Liquefaction	
Extreme heat	Sea level rise	

Our Suggested Hazards

Avalanche	Flood	Seismic hazards
Climate change*	Geological hazards	Severe winter storm
Coastal erosion	Hailstorm	Tornado
Coastal storm	Hazardous materials	Tsunami
Dam failure	Human-caused hazards	Volcano
Disease/pest management	Hurricane	Wildfire
Drought	Land subsidence	Wind
Earthquake fault rupture	Landslide and mudflow	Windstorm
Expansive soils	Liquefaction	
Extreme heat	Sea level rise	

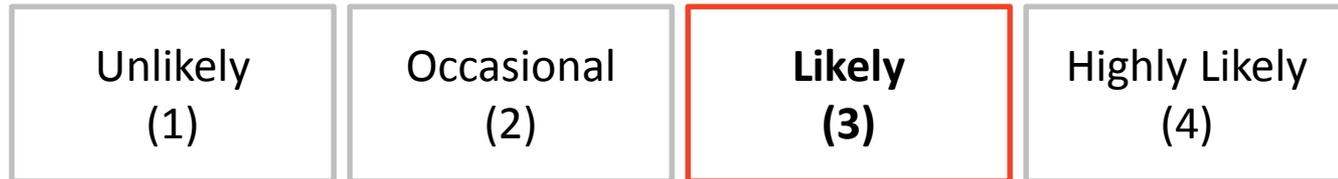
Hazard Prioritization

- Four criteria
 - Probability (likelihood of occurrence)
 - Location (size of potentially affected area)
 - Maximum Probable Extent (intensity of damage)
 - Secondary Impacts (severity of impacts to community)
- A value of 1-4 is assigned for each criteria
- Every criteria has an Importance Score
 - Can be used to weigh the influence of an individual criterion
 - Criteria and Importance values are combined to calculate a Total Score

Score Example: Windstorm

Probability

Importance score:
2.0



Probability score: $2.0 \times 3 = 6$

Location

Importance score:
0.8



Affected Area score: $0.8 \times 4 = 3.2$

Score Example: Windstorm

Maximum

Probable

Extent

Importance score:

0.7



Primary Impact score: $0.7 \times 2 = 1.4$

Secondary
Impacts

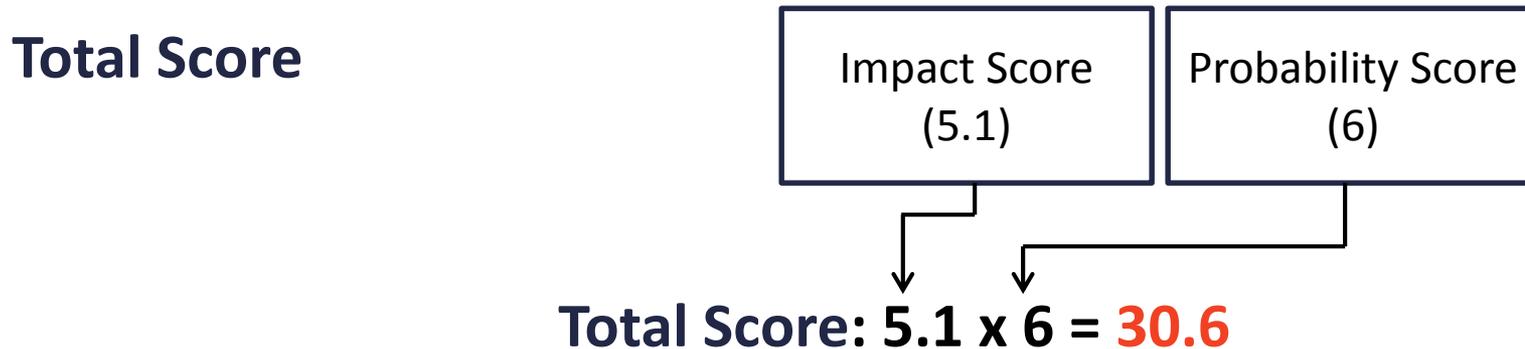
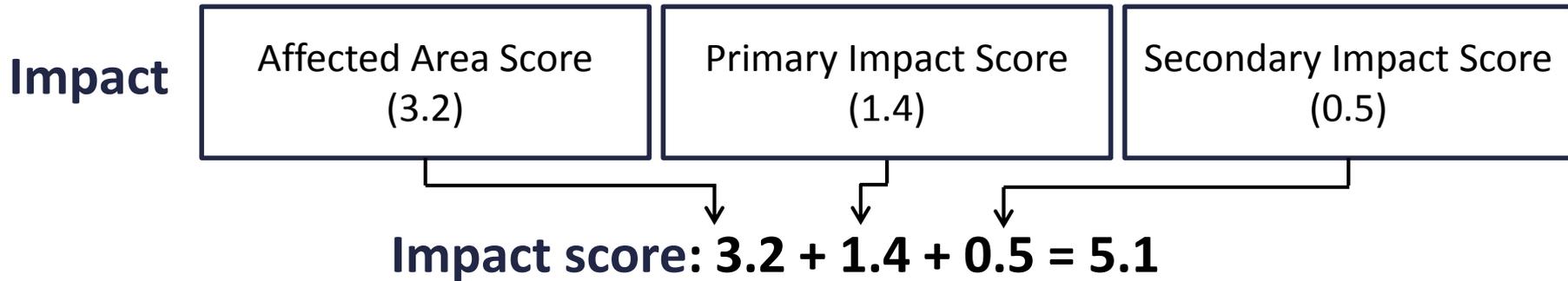
Importance score:

0.5



Secondary Impacts score: $0.5 \times 4 = 0.5$

Score Example: Windstorm



Hazard Identification Exercise

Information and Resources

- Continue to send resources/information to Joe:
 - Plans/studies
 - Policies/programs
 - Technical data
 - GIS data
 - Intrinsic/historic knowledge

CRITICAL FACILITIES

Critical Facilities List (City)

Culver City City Hall	Culver City Dr. Paul Carlson Park
Culver City Police Department	Culver City Park (Botts Field)
Culver City Fire Station No. 1	Culver City Fox Hills Park
Culver City Fire Station No. 2	Culver City Lindberg Park
Culver City Fire Station No. 3	Culver City Tellefson Park
Culver City Fire Training Building	Culver City Senior Center
Culver City Public Services Building	Culver City Municipal Plunge
Culver City Sanitation Transfer Station	Culver City Armory
Culver City Transportation Dept.	Culver City Braddock Sewer Pump Station
Culver City Veterans Park & Memorial Building	Culver City Bristol Sewer Pump Station
Culver City Syd Kronenthal Park	Culver City Hayden Sewer Pump Station
Culver City Blanco Park	Culver City Fox Hills Sewer Pump Station
Culver West Park	Culver City Jasmine Sewer Pump Station
Culver City Ivy Substation & Media Park	Culver City Mesmer Sewer Pump Station
Culver City El Marino Park	Culver City Overland Sewer Pump Station
Culver City Blair Hills Park	

Critical Facilities List (CCUSD)

CCUSD Unified School District
CCUSD High School
CCUSD C.P. Continuation H. S.
CCUSD Middle School
CCUSD El Marino School
CCUSD El Rincon Elementary
CCUSD Farragut Elementary
CCUSD La Ballona Elementary
CCUSD Linwood E. Howe
CCUSD Off. of Child Development
CCUSD Adult School
CCUSD Maintenance, Transport.
CCUSD Natatorium

Critical Facilities List (Other)

LA Co. Fire Depart. Haz. Mat. Off.	Brotman Medical Center
LA County Internal Services Dept.	Centinela Medical Center
LA Co. Julian Dixon Public Library	West Los Angeles College
LA County Assessor's Office	ABC Children's Learning Center
LA County Superior Court	Bright Beginnings Family School
California Highway Patrol	Echo Horizon School
California Broad of Equalization	Ohr Eliyahu Academy
California Dept. of Motor Vehicles	Wildwood School
California Rehabilitation Department	The Willows Community School
California Social Service Dept.	Turning Point School
US Post Office - Main	Kayne-ERAS Center
US Post Office - Gateway	The H.E.L.P. Group West
US Social Security Admin.	Culver-Palms Family YMCA
US Veterans Affairs Dept.	

PUBLIC INVOLVEMENT

Public Involvement

- Notification Lists
 - Send notification of MJHMP and encourage people to sign-up for notifications
 - *Public notices*
 - *Volunteers*
 - *Public safety events*
- Survey development
 - Online by mid-August
 - Mid-August through mid-October
- Webpage development
- Fiesta La Ballona – August 28-30
 - Inform people of MJHMP/answer questions
 - Administer survey or link to complete later
 - “Save the Date” for Community Open House
- Community Open House
 - Potential dates (Thursday September 24 or October 1)



Next Steps

- Send information/resources to Joe
- Preparation of hazard profiles
- Rollout of webpage
- Finalize survey for distribution
- Steering Committee Meetings
 - #2 – August 13
 - #3 – September 10
 - *Reschedule to September 17?*

**QUESTIONS/ADDITIONAL
DISCUSSION?**

Goals of the Culver City and CCUSD MJHMP

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Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #1

July 9, 2015

10:00 p.m. – 12:00 p.m.

MEETING SUMMARY

Attendees: Refer to Sign-in Sheet

Initial Questions/Discussion

- Initial questions prior to start of presentation focused on whether the plan would be approved by the community before it is sent to the State/FEMA for review.
- Another question centered on the previous plan, why it was not approved and what information would be changed.
- Question regarding the status of the LA County HMP for the areas surrounding Culver City. Can we rely on this information for our plan as well?
- Representative from the City of Santa Monica provided insight and perspective of the plan preparation process and review. Referred the committee to Santa Monica's plan for some of the information that they have included in their plan that is relevant to the surrounding area.
- Potential for an internal website/information exchange for the work program (Swami).
- Can man-made hazards like light rail and hazardous materials be included in the plan.
- Question about types of mitigations – implement them for possible future events. Also cover mitigations to deal with the aftermath.

Presentation

- Overview of the purpose of the MJHMP and the plan requirements and components.
- Hazard Profiles Exercise
 - Committee provided with a list of FEMA-identified hazards with preliminary recommendation from consultant on those that do not affect the City. Received confirmation from the committee on hazards that are not relevant to the planning area.
 - Discussion of specific hazards:
 - Do we include wildfire if started by human cause? Need to identify if there are high fire hazard areas within the City – confirmation there are these areas.
 - Tsunami not a direct issue to the City, not within a tsunami area; but, would experience the repercussions if a tsunami occurs within a neighboring jurisdiction.
 - Why would we include climate change if not subject to sea level rise? Culver City ability to serve population may be impacted if sea level rise occurs. Typically don't include climate change as its own hazard. Discuss how climate change impacts a hazard (e.g., drought). Sea level rise can impact groundwater resources. The discussion would be framed as a secondary impact associated with a specific hazard.
 - Question regarding how far into the future we would go – if hazard is not likely to

occur within 5 year planning period. Can look long-term with data and support, should consider addressing it.

- Revisit the plan in 5 years to determine if hazards and risks are the same.
- How can drought be addressed? Depends upon vulnerability to drought. What are local conditions? Depend on groundwater supply? If long-term drought, is there an issue with supplying water or groundwater quality associated with drought. If identify as a hazard and funding sources come out for drought, can apply for funding to assist with drought hazard. Groundwater replenishment projects, etc.
- Process is important. Have to demonstrate mitigation action to each hazard. Detail how mitigation action leads to a reduction of risk.
- EOP may be place for certain hazards to be addressed. Balance between plans and policies (e.g., General Plan).
- Need to look into whether expansive soils are an issue for the City. Department of Agriculture tested soils within the City – Can contact them to obtain report/results.

ACTION ITEM

- Geologic Hazards – oil production in City – may have methane concern. There are oil fields with ground leases.
 - Sewer outfalls in the City – any issues/concerns within the area.
 - Hazardous materials – there are gas lines within the City. Should it be looked at outside of plan since part of City’s EOP? “City Use Only” portion of the EOP addresses hazmat.
 - Cyberterrorism/Terrorism – better under a separate study – do not include.
 - Land subsidence – can occur through extraction of groundwater or oil. Similar to expansive soils, need to look at to see if an issue in the City
 - Severe winter storm – not an issue in Culver City.
 - Wind vs windstorm – City experiences Santa Ana winds – isolated event. Have had claims for trees down due to windstorm (Public Works). **ACTION ITEM**
- Steering Committee reviewed all hazards and discussed each individually to identify which hazards have relevance to the City. The hazards determined to have at least some relevance to the City were ranked/prioritized based upon the following:
- Probability
 - Location
 - Maximum probable extent
 - Secondary impacts

An excel spreadsheet was used to prioritize the hazards. Additional discussion occurred as part of the ranking process, as follows:

- Disease/pest management – skunk, crow, and squirrel infestation. It’s been an issue with the City. Animal control issue. Probability for community-wide outbreak of disease is low (West Nile). Tree infestation/diseases – have had entire streets where trees have died – moved down through urban forest. Concern during winds.
- Fault rupture would only happen in a particular location – associated with Alquist Priolo fault zone.
- Flood – Sawtelle Bridge used to flood, but improvements occurred to catch basins and storm drains. Need to verify with Public Works about improvements. Floodplains are small in the City. **ACTION ITEM**

- Wildfire – oil fields, crest, Baldwin Hills
- Landslide/mudflow – within a small location.
- Liquefaction – more likely to occur with earthquakes.
- Drought – discussion of whether as “high” as earthquakes. Priority right now because of long-term aspect of drought. Fire Department concerned about secondary impacts of drought associated with fires – dry brush.

HAZARD RANKING WORKSHEET - Culver City MJHMP					DATE: 7/20/2015	
Hazard Type	Probability	Impact			Total Score	Hazard Planning Consideration
		Location	Primary Impact	Secondary Impacts		
Drought	4	4	4	4	64.00	High
Sesimic Hazards	4	4	4	4	64.00	High
EQ Fault Rupture	4	2	4	4	51.20	High
Wildfire	3	3	4	4	43.20	High
Disease/Pest Management	4	4	1	1	35.20	Medium
Windstorm	4	4	1	1	35.20	Medium
Liquefaction	2	2	4	4	25.60	Medium
Flood	2	1	3	3	17.60	Medium
Landslide/Mudflow	2	1	3	3	17.60	Medium
Haz Mat	1	3	3	3	12.00	Low
Geo Hazards	1	2	3	3	10.40	Low
Dam Failure	1	2	2	4	10.00	Low
Tsunami	1	1	2	2	6.40	Low

Acknowledged that may need to revisit specific hazards depending upon community input and outcomes of additional information/research. Possible that some hazards may not be in the plan.

- **Critical Facilities**

- The Steering Committee was provided with a list of critical facility in the City and part of CCUSD to review prior to the next meeting. Focus on facilities that need to ensure are operational after an incident. Review list and add or delete as appropriate. If an issue/risk is identified for specific facilities, will need to consider as part of mitigation action. **ACTION ITEM**
- If don't have jurisdiction/control over facility, consider whether it is critical or beneficial to the City's needs.

- **Public Involvement**

- Members working a booth and table at the Fiesta. Since departments have separate booths and Steering Committee members may be at those booths, requesting you to also inform people about the MJHMP, hand out materials, and champion the plan. Requested Steering Committee email Joe and let him know if working a booth. **ACTION ITEM**
- Open House – Sept 24 or Oct 1. Email Joe on which date is best for this. Further discussion determined that September 24 is the best day. Will need Steering Committee to participate in Open House.
- Will be using mailing lists for initial distribution of information and requesting people sign up to be on a specific list dedicated to the MJHMP. Will be setting up a project-specific webpage and email address.

- **Next Steps**
 - Steering Committee Meeting #2 – August 13
 - Steering Committee Meeting #3 – rescheduled to September 17
 - Reminder for Steering Committee to provide any information, studies, programs, documentation, etc., pertaining to any of the hazards identified as part of the hazard profile exercise. **ACTION ITEM**

HAZARD RANKING WORKSHEET - Culver City MJHMP

DATE: 7/20/2015

Hazard Type	Probability	Impact			Total Score	Hazard Planning Consideration
		Location	Primary Impact	Secondary Impacts		
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Sesimic Hazards	4	4	4	4	64.00	High
EQ Fault Rupture	4	2	4	4	51.20	High
Wildfire	3	3	4	4	43.20	High
Disease/Pest Management	4	4	1	1	35.20	Medium
Windstorm	4	4	1	1	35.20	Medium
Liquefaction	2	2	4	4	25.60	Medium
Flood	2	1	3	3	17.60	Medium
Landslide/Mudflow	2	1	3	3	17.60	Medium
Haz Mat	1	3	3	3	12.00	Low
Geo Hazards	1	2	3	3	10.40	Low
Dam Failure	1	2	2	4	10.00	Low
Tsunami	1	1	2	2	6.40	Low

Probability

Based on estimated likelihood of occurrence from historical data
Probability

	Importance
	2.0
	<u>Score</u>
Unlikely	1
Occasional	2
Likely	3
Highly Likely	4

Location

Based on size of geographical area of community affected by hazard

	Importance
	0.8
	<u>Score</u>
Negligible	1
Limited	2
Significant	3
Extensive	4

Maximum Probable Extent (Primary Impact)

Based on percentage of damage to typical facility in community
Impact

	Importance
	0.7
	<u>Score</u>
Weak - little to no damage	1
Moderate - some damage, loss of service for days	2
Severe - devastating damage, loss of service for months	3
Extreme- catastrophic damage, uninhabitable conditions	4

Secondary Impacts

Based on estimated secondary impacts to community at large
Impact

	Importance
	0.5
	<u>Score</u>
Negligible - no loss of function, downtime, and/or evacuations	1
Limited - minimal loss of function, downtime, and/or evacuations	2
Moderate - some loss of function, downtime, and/or evacuations	3
High - major loss of function, downtime, and/or evacuations	4

Total Score = Probability x Impact, where:

Probability = (Probability Score x Importance)

Impact = (Affected Area + Primary Impact + Secondary Impacts), where:

Affected Area = Affected Area Score x Importance

Primary Impact = Primary Impact Score x Importance

Secondary Impacts = Secondary Impacts Score x Importance

Hazard Planning Consideration

<u>Total Score</u>	<u>Range</u>	<u>Distribution</u>	<u>Hazard Level</u>
0.0	12.0	4	Low
12.1	42.0	5	Medium
42.1	64.0	4	High

The probability of each hazard is determined by assigning a level, from unlikely to highly likely, based on the likelihood of occurrence from historical data. The total impact value includes the affected area, primary impact and secondary impact levels of each hazard. Each level's score is reflected in the matrix. The total score for each hazard is the probability score multiplied by it's importance factor times the sum of the impact level scores multiplied by their importance factors . Based on this total score, the hazards are separated into three categories based on the hazard level they pose to the communities: High, Medium, Low.

Culver City MJHMP Steering Committee Meeting #1 – July 9, 2015





Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Kickoff Meeting
 August 13, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Diego Cevallos	Aquatics Coordinator	City of Culver City PRCS	4175 Overland Ave. Culver City, CA 90230	diego.cevallos@culvercity.org	310-253-6684	
Heidi Hatstrup	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	heidi.hatstrup@culvercity.org	310-253-6120	✓
Angelina Garcia	ACFO	CC-Finance	97700 Duquesne Ave. Culver City, CA 90230	Angelina.garcia@culvercity.org	310-253-6023	
Craig Johnson	Building Official	Culver City	9770 Culver Blvd. Culver City, CA 90232	Craig.johnson@culvercity.org	310-253-8500	
Johnnie Griffing	GIS Project Manager	IT	9770 Culver Blvd. Culver City, CA 90232	John.griffing@culvercity.org	310-253-5976	
Joe Susca	Sr. Management Analyst	Culver City PW	9770 Culver Blvd. Culver City, CA 90232	Joe.susca@culvercity.org	310-253-5636	
Jane Leonard	Sr. Management Analyst	Transportation	4343 Duquesne Ave. Culver City, CA	Jane.leonarde@culvercity.org	310-253-6523	
Lisa Vidra	Sr. Deputy City Attorney	City Attorney	9770 Culver Blvd. Culver City, CA 90232	Lisa.vidra@culvercity.org	310-253-5673	
Melissa Wilson for Jeanne Woo	Disaster Preparedness Specialist	Red Cross	1450 11 th St. Santa Monica, Ca 90405	Melissa.wilson@redcross.org / jeannewoo@redcross.org	310-405-2191	
Jose Mendivil	Associate Planner	Culver City Planning	9770 Culver Blvd. Culver City, CA 90232	Jose.mendivil@culvercity.org	310-253-5757	

Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Kickoff Meeting
 August 13, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Mike Reynolds	Assistant Superintendent	CCUSD	4034 Irving Place Culver City, CA 90232	Mikereynolds@ccusd.org	310-842-4220 x4226	
Charles Herbertson	Public Works Director/City Engineer	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	Charles.herbertson@culvercity.org	310-253-5630	
David Leuck	Technical Services Manager	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	David.leuck@culvercity.org	310-253-5961	
Aubrey Kellum	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	Aubrey.kellum@culvercity.org	310-253-6202	
Christine Parra	Emergency Prep. Coordinator	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	Christine.parra@culvercity.org	310-253-5909	
Paul Weinberg	Emergency Services Administrator	Santa Monica	333 Olympic Blvd. Santa Monica, CA 90401	paul.weinberg@smgov.net	310-458-8686	
Sean Kearney	Dir - Fiscal Services	CCUSD		SeanKearney@ccusd.org	310-842-4220 ext. 4234	



Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #2

August 13, 2015

10:00 a.m. – 12:00 p.m.

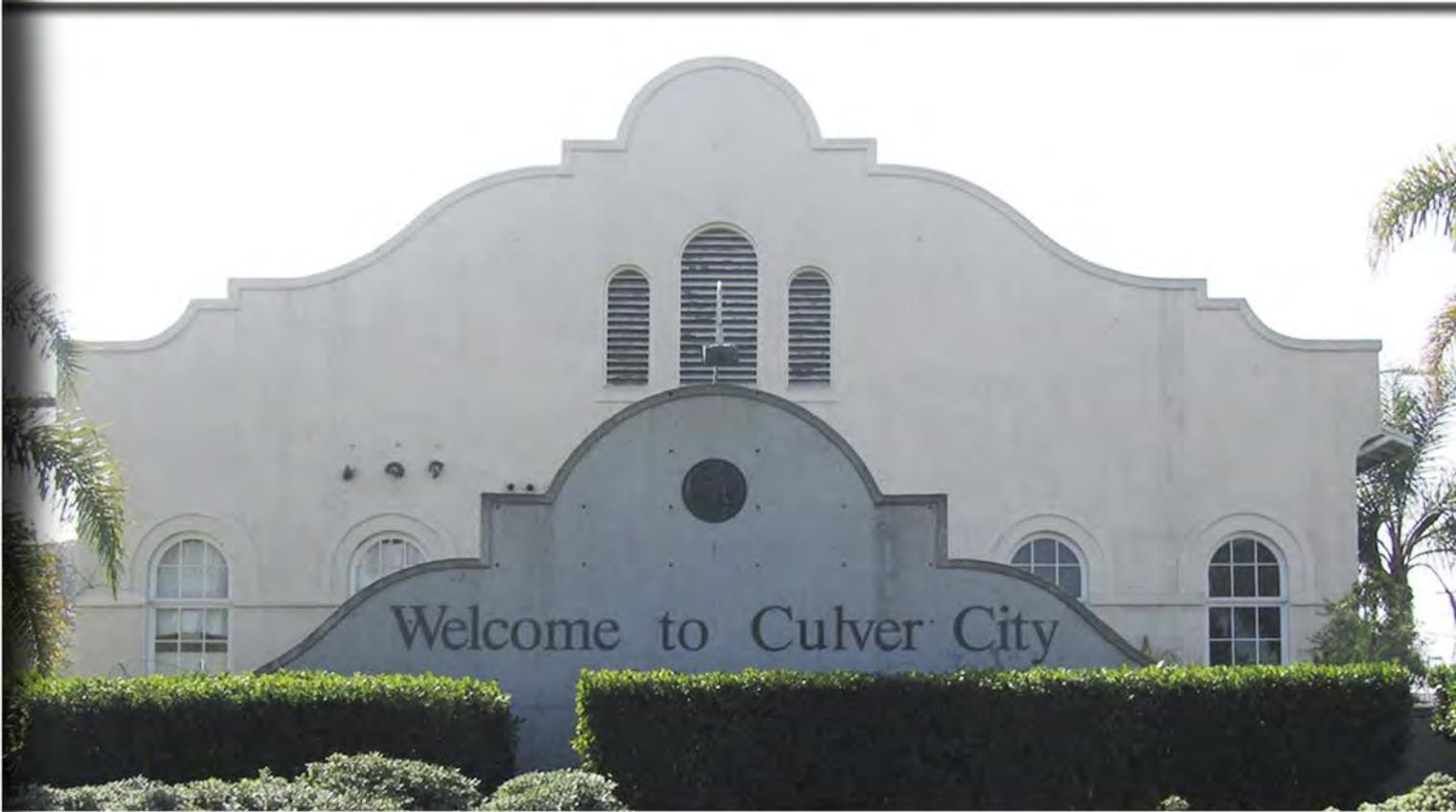
AGENDA

- I. Summary of Hazard Profiles**
- II. Risk Assessment Methodology**
- III. Problem Statement Exercise**
- IV. Public Involvement Update**
 - a. Survey
 - b. Webpage
 - c. Fiesta La Ballona – August 28-30
 - d. Community Open House – September 24 (7:00 pm – 9:00 pm) Senior Center
- V. Next Steps**
 - a. Finalize hazard profiles and prepare vulnerability/risk assessment
 - b. Steering Committee Meeting #3 – **September 17 (1:00 pm – 3:00 pm)**

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan Steering Committee Meeting #2



August 13, 2015



Michael Baker
INTERNATIONAL

Agenda

- Summary of Hazard Profiles (50 minutes)
- Risk Assessment Methodology (10 minutes)
- Problem Statement Exercise (30 minutes)
- Public Involvement Update (10 minutes)
- Next Steps (10 minutes)
- Questions/Additional Discussion (10 minutes)

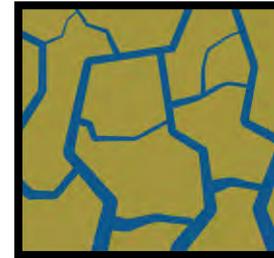
SUMMARY OF HAZARD PROFILES

Hazard Identification

HAZARD RANKING WORKSHEET - Culver City MJHMP					DATE: 7/20/2015	
Hazard Type	Probability	Impact			Total Score	Hazard Planning Consideration
		Location	Primary Impact	Secondary Impacts		
Drought	4	4	4	4	64.00	High
Sesimic Hazards	4	4	4	4	64.00	High
EQ Fault Rupture	4	2	4	4	51.20	High
Wildfire	3	3	4	4	43.20	High
Disease/Pest Management	4	4	1	1	35.20	Medium
Windstorm	4	4	1	1	35.20	Medium
Liquefaction	2	2	4	4	25.60	Medium
Flood	2	1	3	3	17.60	Medium
Landslide/Mudflow	2	1	3	3	17.60	Medium
Haz Mat	1	3	3	3	12.00	Low
Geo Hazards	1	2	3	3	10.40	Low
Dam Failure	1	2	2	4	10.00	Low
Tsunami	1	1	2	2	6.40	Low

Hazards to be Profiled

- Drought
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Windstorm
- Flood



Hazard Profiles

- Description of the hazard
- Location and extent
- Previous occurrences
- Probability of future occurrences
- Climate change considerations
- Vulnerability/risk assessment (pending)
 - Populations
 - Critical facilities
 - Loss estimates

Drought

- Period of drier-than-normal conditions resulting in water-related issues
 - Agricultural – soil moisture deficiencies
 - Hydrological – precipitation shortfalls on stream flows, reservoir, lake, and groundwater levels
 - Meteorological – defined on degree of dryness compared to expected average
 - Socioeconomic – demand for water exceeds supply as a result of weather-related shortfall

Drought

- Location and extent
 - Citywide
- Previous occurrences
 - FEMA declared drought emergency – January 1977
 - State declared drought emergency – 8x between 1972 and 2009
 - January 17, 2014 – Governor proclaimed State of Emergency
 - *April 1, 2015 – imposed restrictions to achieve a 25% reduction in potable water usage by February 28, 2016*

U.S. Drought Monitor California

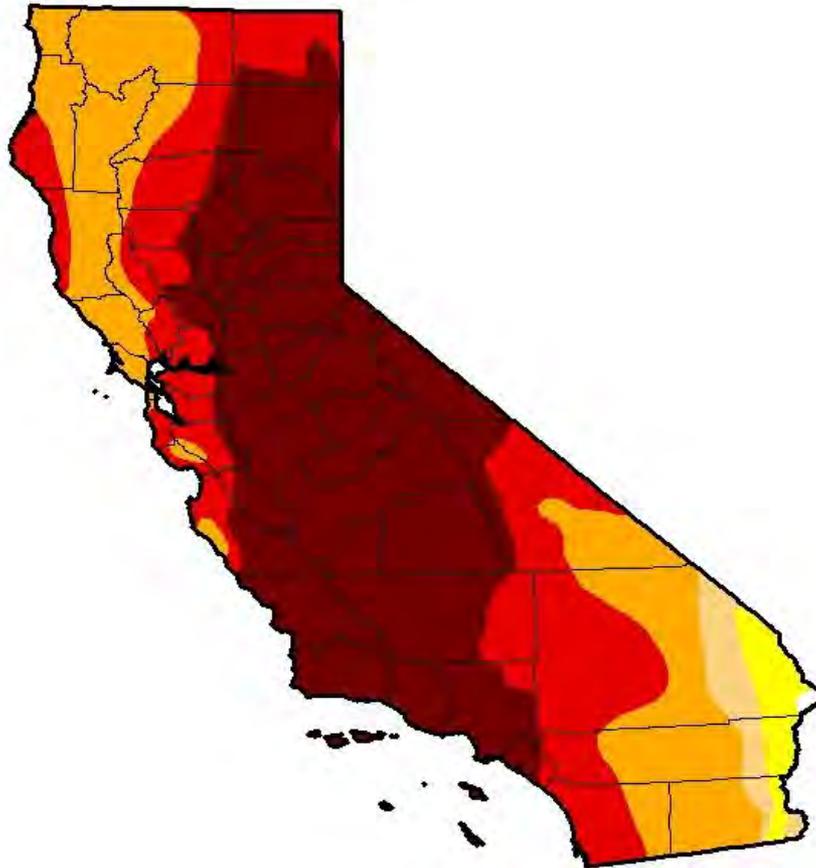
July 28, 2015

(Released Thursday, Jul. 30, 2015)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.14	99.86	97.35	94.59	71.08	46.00
Last Week <i>7/21/2015</i>	0.14	99.86	97.35	94.59	71.08	46.00
3 Months Ago <i>4/28/2015</i>	0.14	99.86	98.11	93.44	66.60	46.77
Start of Calendar Year <i>12/30/2014</i>	0.00	100.00	98.12	94.34	77.94	32.21
Start of Water Year <i>9/30/2014</i>	0.00	100.00	100.00	95.04	81.92	58.41
One Year Ago <i>7/29/2014</i>	0.00	100.00	100.00	100.00	81.89	58.41



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Richard Heim
NCEI/NOAA



<http://droughtmonitor.unl.edu/>

Drought

- Probability of future occurrences
 - Function of precipitation and intensity of current drought conditions
 - Higher probability based on drought history and current conditions
- Climate change considerations
 - Climate irregularity increases pressure on water resources
 - Increasing population, anticipated hotter climate, increased demand for water

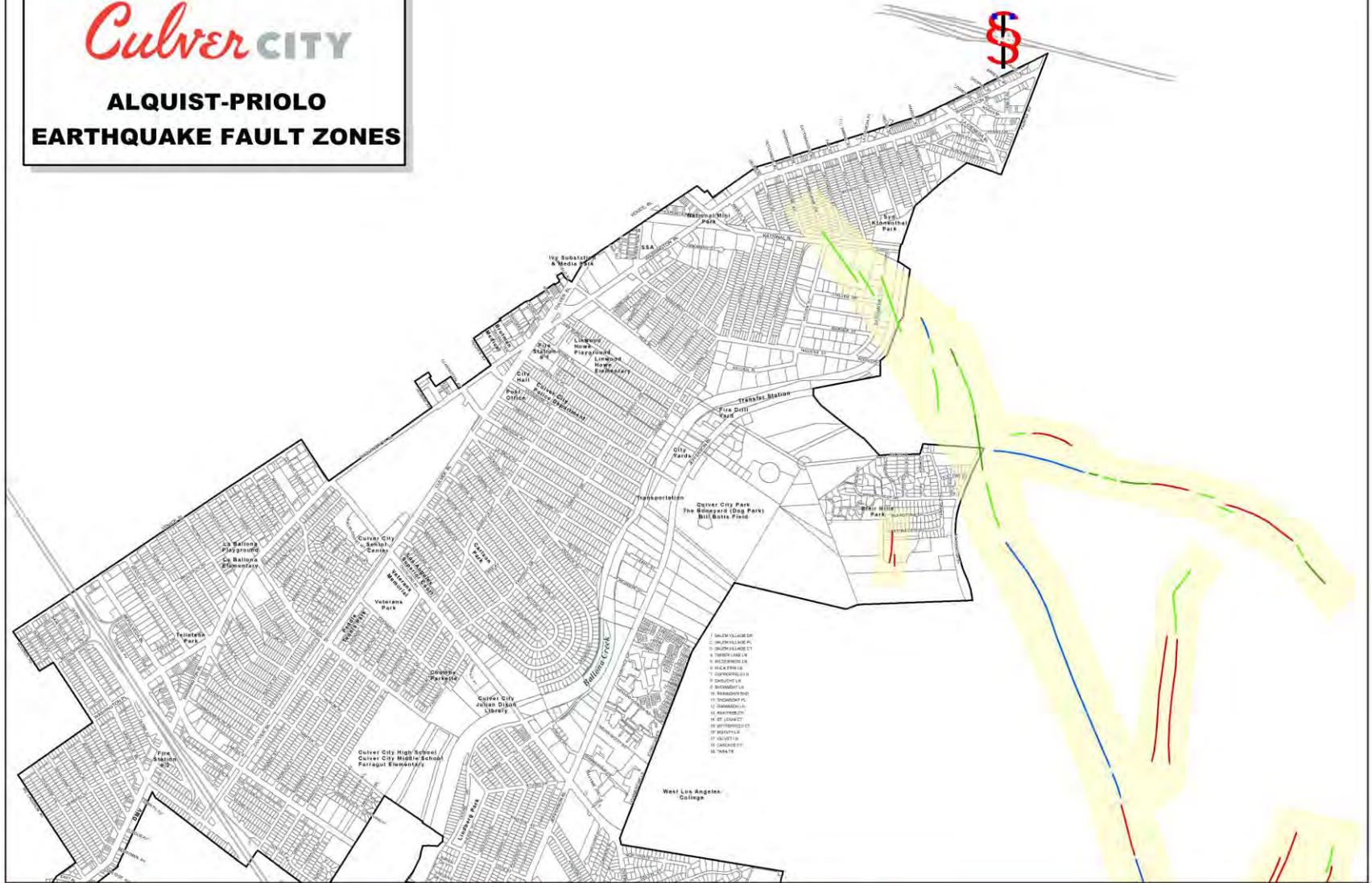
Seismic

- Primary and secondary
 - Primary = fault rupture and ground shaking
 - Secondary = liquefaction and landslides
- Location and Extent
 - Fault rupture – within defined area/zone
 - Ground shaking – citywide
 - Liquefaction and landslides – within defined area

City of

Culver CITY

ALQUIST-PRIOLO EARTHQUAKE FAULT ZONES



Legend

Freeways	Accurately Located Fault Traces
Concealed Fault Traces	Earthquake Fault Zones
Inferred Fault Traces	City Boundary
Approximately Located Fault Traces	Parcels

THE CITY OF CULVER CITY
 INFORMATION TECHNOLOGY DEPARTMENT
 GEOGRAPHIC INFORMATION SYSTEMS

9770 CULVER BLVD
 CULVER CITY, CA 90232
 TEL: 310-253-0276

January 31, 2007




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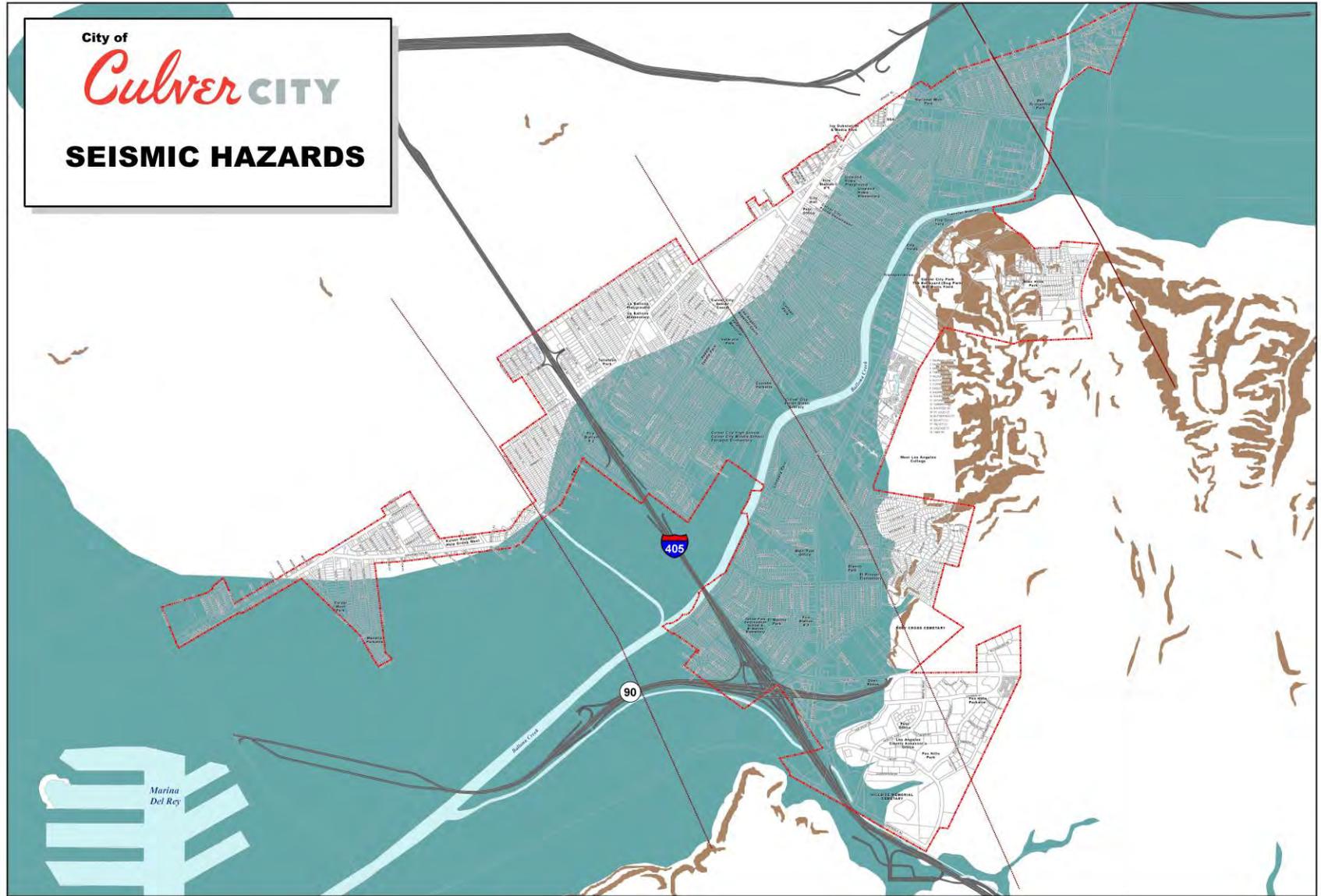
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City of

Culver CITY

SEISMIC HAZARDS



- Liquefaction Zones
- Landslide Hazard Zones

Legend

- City Boundary
- Parcels

Earthquake Faults

- Active
- Potentially Active



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February 1, 2007



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Seismic

■ Previous occurrences

• Earthquakes

- *6.4 magnitude in 1933 off coast of Long Beach*
- *6.5 magnitude in 1971 San Fernando earthquake*
- *5.9 magnitude in 1987 near Rosemead*
- *6.7 magnitude in 1994 Northridge earthquake*
 - *I-10 overpasses at La Cienega, Venice, Fairfax and Washington significantly damaged*



Seismic

■ Previous occurrences

- Liquefaction

- *No earthquake-induced liquefaction within Culver City*
- *Occurrences nearby in Santa Monica and Maria Del Rey*
- *LA area experienced liquefaction associated with San Fernando and Northridge earthquakes*

- Landslides

- *Blair Hills neighborhood*
- *Other landslides?*

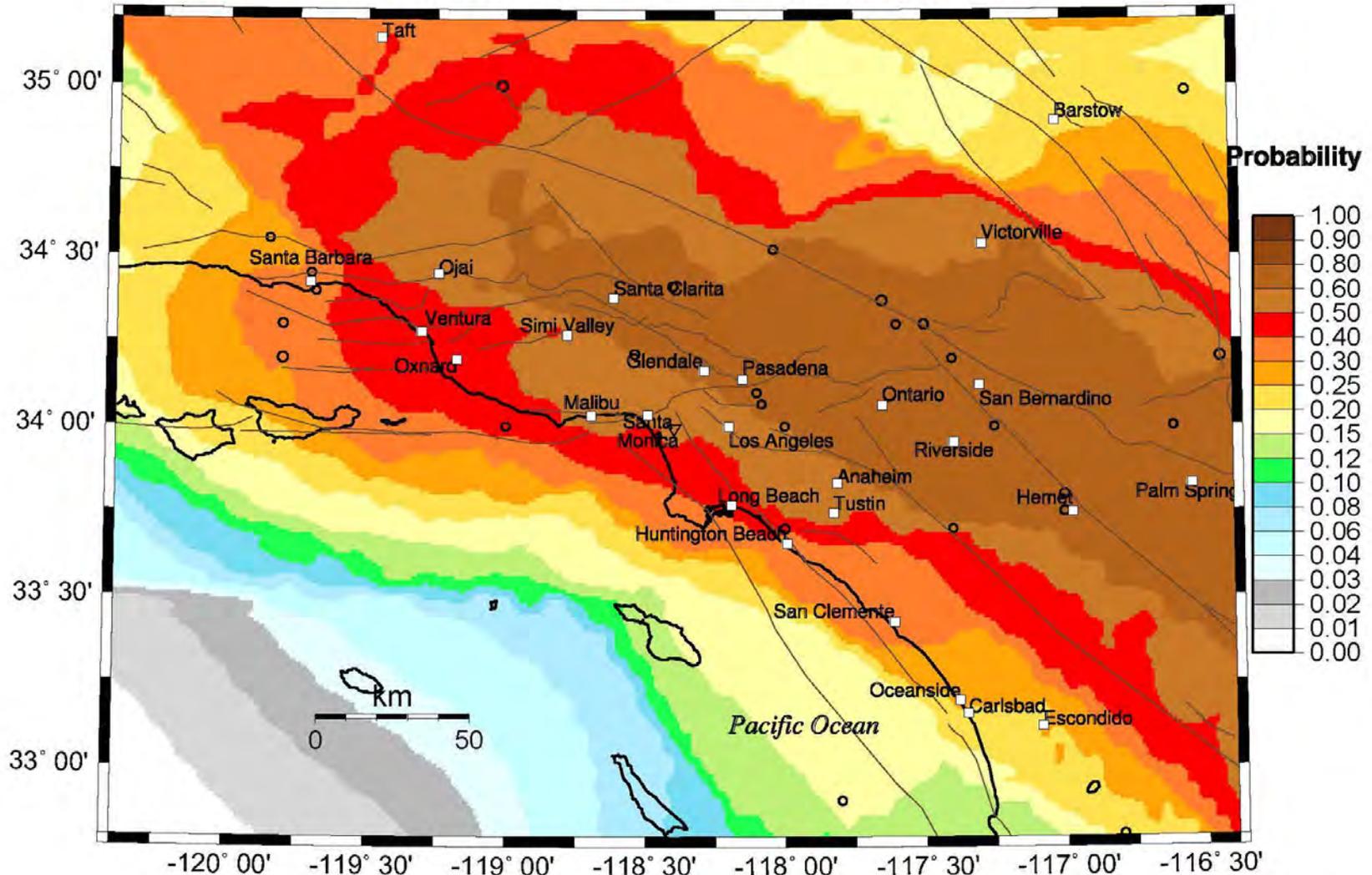
Seismic

- Probability of future occurrences
 - Located within seismically active area
 - *Palos Verdes Fault – 10 miles (6.0 to 7.0 magnitude)*
 - *Sierra Madre Fault – 16 miles (6.0 to 7.0 magnitude)*
 - *Whittier-Elsinore Fault – 22 miles (6.5 to 7.5 magnitude)*
 - *San Andreas Fault – 40 miles (6.0 to 8.0 magnitude)*
 - *San Jacinto Fault – 60 miles (6.5 to 7.5 magnitude)*
 - Newport-Inglewood Fault Zone – estimated future event could measure 6.0 to 7.4
 - Elevated liquefaction risk area – typically occurs with large earthquake
 - Risk of seismic-induced landslides – primarily Blair Hills neighborhood

Probability of earthquake with $M > 6.0$ within 30 years & 50 km

U.S. Geological Survey 2009 PSHA Model

Site: CULVER CITY CA .



Seismic

- Climate change considerations
 - Seismic hazards not directly affected by climate
 - Precipitation levels and storm intensity
 - *Decrease in groundwater levels associated with increased pumping*
 - *Intense rainfall resulting in landslides*

Wildfire

- Uncontrolled fire spreading through vegetative fuels
 - Wildland urban interface – urban and suburban development adjacent to wildland areas
 - Mixed wildland urban interface – isolated communities/structures in wildland settings
 - Occluded wildland urban interface – island of wildland vegetation in urbanized area
- Location and extent
 - Small portion of City within a Very High Fire Hazard Severity Zone (VHFHSZ)
 - Eastern portion of City adjacent to VHFHSZ

Wildfire

- Previous occurrences
 - None within the City
 - 1985 Baldwin Hills Fire
 - *3 lives lost*
 - *53 structures destroyed*
- Probability of future occurrences
 - Potential associated with wildland-urban interface (VHFHSZ)
 - Drought conditions
- Climate change considerations
 - Increased temperatures and drought can increase frequency, extent, and severity
 - Drier conditions, more vegetative fuel, longer fire season

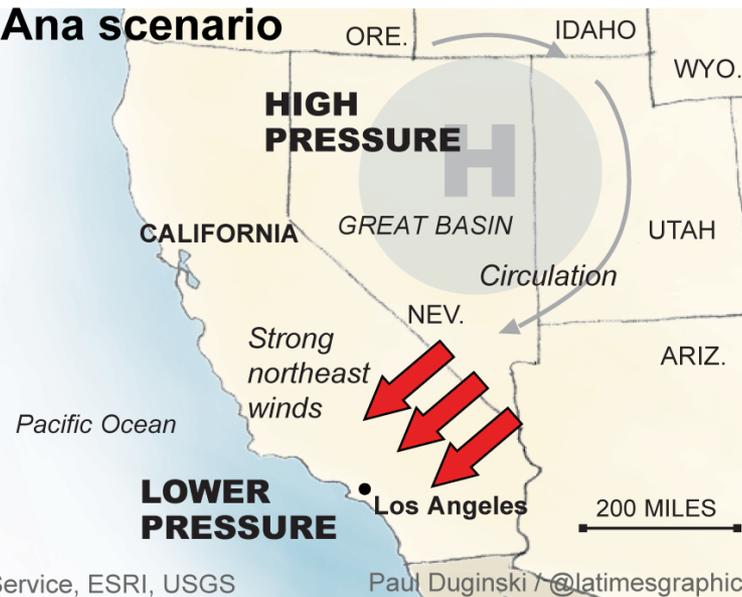


Windstorm

- Horizontal flows of air that blow from areas of high pressure to areas of low pressure
- Location and extent
 - Citywide/Countywide condition that can last over several days

A typical Santa Ana scenario

Most Santa Ana wind events are caused by high pressure in the Great Basin and lower pressure off the coast. High pressure flows to lower pressure, and the gradient, or difference, causes the intense winds.



Sources: National Weather Service, ESRI, USGS

Paul Duginski / @latimesgraphics

Windstorm

- Previous occurrences
 - Countywide – Los Angeles County and Santa Monica Mountains
 - *119 major windstorms from 1950 to 2015*
 - Santa Ana winds typical to Southern California occur in the City
 - *Broken and fallen tree limbs – 48 claims from 2010 to 2015*
- Probability of future occurrences
 - Likely to occur on an annual basis
- Climate change considerations
 - Increase in storm intensity and duration
 - Potential changes in location of where storms are generated

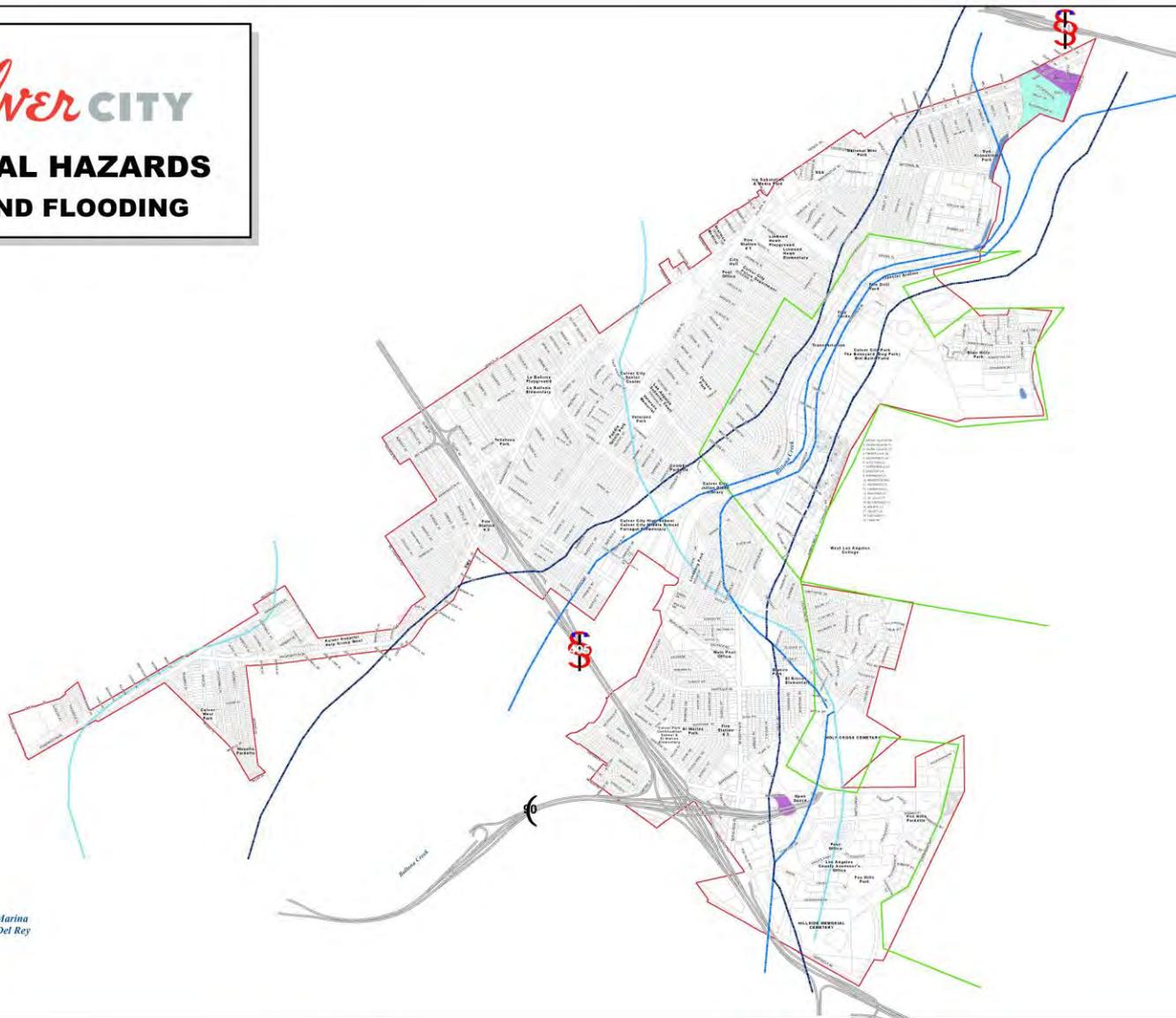
Flood

- Water level exceeds capacity of waterway or failure of drainage infrastructure
- Location and extent
 - Small areas of the City located within FEMA hazard areas
 - *Zone AO – one in 100 chance of flood event sufficient to cause 1-3 foot flood*
 - *Zone A – 100-year flood zone; inundation area not determined*
 - *Zone X – less than 1 foot inundation with chance of occurring between one in 100 and one in 500 in any given year*
 - Isolated flooding associated with failed infrastructure

City of

Culver CITY

NATURAL HAZARDS FIRE AND FLOODING



Marina
Del Rey

Flood Zones

- Multiland Dam Inundation Zone
- Silverlake Dam Inundation Zone
- Stone Canyon Dam Inundation Zone

LEGEND

Special Flood Hazard Areas

- ZONE A: Area of 100 year flood (base flood elevations & flood hazard factors not determined)
- ZONE AO: Area of 100 year shallow flooding where depths are between 1 & 3 feet
- ZONE B: Area between limits of 100 & 500 year flood or added to 100 year flood with average depths less than 1 foot

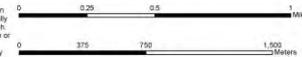
- Fire Hazard Zone
- City Boundary
- Parcels



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 CULVER CITY, CA 90232
 TEL: 310-253-5676
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Flood

- Previous occurrences
 - No major flood events in City
 - Small-scale flooding during intense precipitation
 - Los Angeles River experienced flooding in 1914 (prior to channelization)
- Probability of future occurrences
 - FEMA flood zones identify future probability within City
 - Additional information needed on age and condition of storm drain infrastructure
- Climate change considerations
 - Potential for more intense storms, which may result in flooding
 - Drier conditions more difficult for water to permeate

RISK ASSESSMENT METHODOLOGY

Risk Assessment Methodology

- Geographic area (hazard location)
- Population
 - City (residents and day-time employment)
 - School population
- Critical Facilities
- Potential Damage
 - Loss estimations

FLOOD HAZARD ZONES
EXHIBIT 7

Disclaimer: This map is for planning purposes only. It is not intended to be used in lieu of FEMA Flood Insurance Rate Maps.



Source: City of Capitola, 2010; Santa Cruz County, 2011; FEMA DFIRM Santa Cruz County, California, USA. DFIRM Special Flood Hazard Areas (Flood Plains). FIRM and FIS effective date December 1, 2003.

Risk Assessment

- Loss Estimation – Newport-Inglewood 7.2

Building Construction Category	Average of Potential Damage to Exceed "Slight"	Average of Potential Damage to Exceed "Moderate"	Average of Potential Damage to Exceed "Extensive"	Sum of Economic Loss	Average Economic Loss for Each Building Category
MH - Mobile Homes	96%	72%	12%	\$1,368,678	\$195,525.44
RM1 - Reinforced Masonry Bearing Walls with Wood or Metal Deck Diaphragms	59%	36%	7%	\$21,745,987	\$124,262.78
RM1M - Reinforced Masonry Bearing Walls with Wood or Metal, Mid-Rise	68%	29%	1%	\$317,518	\$317,518.00
S1L - Steel Moment Frame, Low-Rise	77%	38%	3%	\$1,814,328	\$907,164.00
W1 - Wood, Light Frame	41%	4%	0%	\$87,393,566	\$16,433.54
W2 - Wood Greater than 5,000 sq. ft.	75%	30%	1%	\$2,806,926	\$215,917.42
Total	42%	5%	0%	\$115,447,004	\$20,929

City of Lawndale

PROBLEM STATEMENT EXERCISE

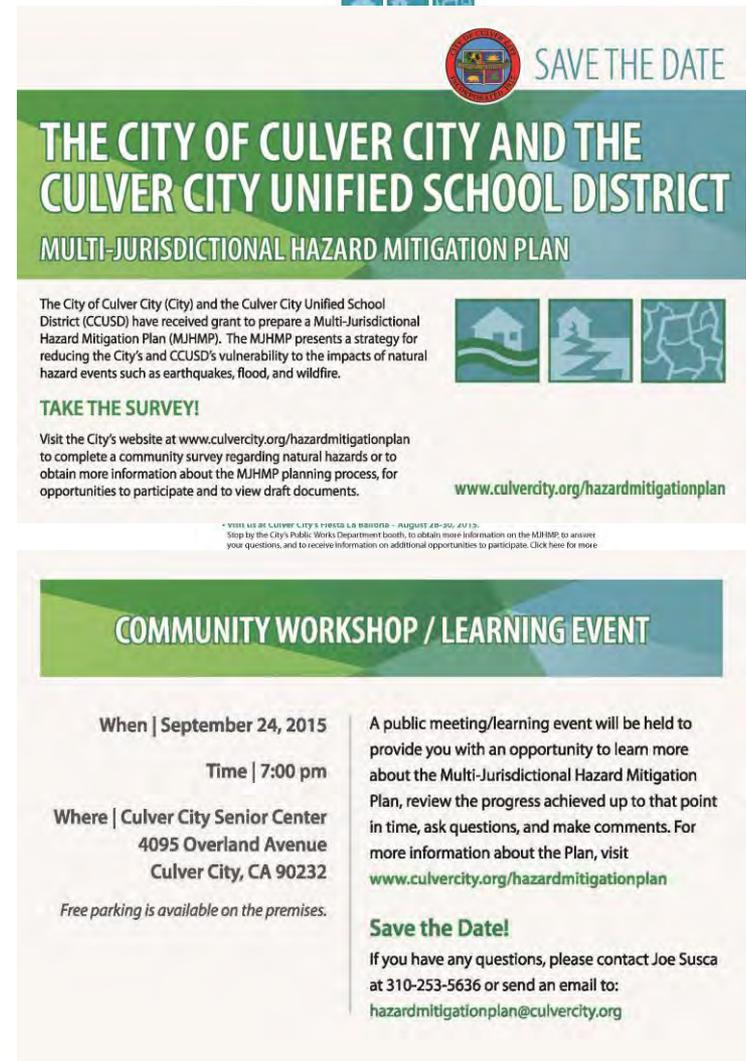
Problem Statements

- Identify issues and/or weaknesses associated with specific hazards
- What vulnerabilities exist
 - Critical facilities, population, infrastructure
- Establish framework for development of goals and mitigation actions
- Example:
 - Windstorms
 - *High winds and falling tree limbs can cause downed power lines*
 - Flooding
 - *Five critical facilities are located within flood hazard areas*

PUBLIC INVOLVEMENT UPDATE

Public Involvement Update

- Initial outreach next week
 - Webpage
 - Postcard “Save the Date”
 - Survey
 - Email to Notification Lists
- Fiesta La Ballona
 - August 28-30
- Community Meeting
 - September 24 (7:00-9:00 pm)
 - Steering Committee participation
 - Presentation/Open House



SAVE THE DATE

THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHP). The MJHP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

TAKE THE SURVEY!

Visit the City's website at www.culvercity.org/hazardmitigationplan to complete a community survey regarding natural hazards or to obtain more information about the MJHP planning process, for opportunities to participate and to view draft documents.

www.culvercity.org/hazardmitigationplan

* VISIT US AT CULVER CITY'S FIESTA LA BALLONA - AUGUST 28-30, 2015.
Stop by the City's Public Works Department booth, to obtain more information on the MJHP, to answer your questions, and to receive information on additional opportunities to participate. Click here for more

COMMUNITY WORKSHOP / LEARNING EVENT

When | September 24, 2015
Time | 7:00 pm

**Where | Culver City Senior Center
4095 Overland Avenue
Culver City, CA 90232**

Free parking is available on the premises.

A public meeting/learning event will be held to provide you with an opportunity to learn more about the Multi-Jurisdictional Hazard Mitigation Plan, review the progress achieved up to that point in time, ask questions, and make comments. For more information about the Plan, visit www.culvercity.org/hazardmitigationplan

Save the Date!

If you have any questions, please contact Joe Susca at 310-253-5636 or send an email to: hazardmitigationplan@culvercity.org

Next Steps

- Send information/resources to Joe
- Provide comments/revisions to Critical Facilities list and Goals by August 20 (1 week)
- Finalize hazard profiles
- Prepare vulnerability/risk assessment
- Preparation for Community Meeting
 - September 24 (7:00-9:00 pm)
- Steering Committee Meetings
 - **#3 – September 17 (1:00-3:00 pm)**

**QUESTIONS/ADDITIONAL
DISCUSSION?**

Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #2

August 13, 2015

10:00 p.m. – 12:00 p.m.

MEETING SUMMARY

Attendees: Refer to Sign-in Sheet

Initial Discussion

- Reminder to the Steering Committee to review the goals from the previous (unapproved) plan to use as a starting point for discussion and establishing goals for the MJHMP.
- Reminder to the Steering Committee that we need to finalize the list of Critical Facilities. We have received some input on revisions, but need everyone to review and let Joe know if any additional revisions/additions. Please provide any comments/revisions by **August 20, 2015**.
- Regarding confidential critical facilities, those are kept by the City. We would not identify them within the MJHMP, but can acknowledge there are those facilities and identify if they could be impacted by any of the profiled hazards.

Presentation/Discussion

- Summary of Hazard Profiles – Provided a summary of the hazard profiles for the hazards identified by the Steering Committee at the previous meeting and through a follow-up discussion with Staff.
 - Drought Hazard Profile – no questions/comments
 - Seismic Hazard Profile
 - Fault rupture area – concerned about active faults within the City or impacting the City. Provide a list of faults within City, but focus on active faults (Alquist Priolo). EOP provides regional fault map.
 - Culver Crest area has a landslide hazard. Need to emphasize Culver Crest area – occurred as a result of El Nino events; precipitation-induced landslide, not seismic-induced.
 - Wildfire Hazard Profile
 - State park is within City limits – should acknowledge dry vegetation within park and concern regarding wildland-urban interface. Fire starting in State park and spreading to urban area. There is an increased risk and exposure. Drought conditions have increased dry vegetation conditions.
 - Fire Department has a radio antenna in VHWFHZ (or Park?), which could be impacted if wildfire occurs. Fire Department routinely creates fire break buffers.
 - For mapping, may want to show wildland fire potential area, gradation of wildland fire risk; not just VHWFHZ.
 - Windstorm Hazard Profile
 - Impacts City resources (fallen tree limbs). Not all claims are attributed to wind. Some attributed to dryness/drought. Some natural occurrences. Small fires occurred within City associated with Santa Ana winds.

- Frame discussion of what the City can do to modify or better prepare for hazards associated with windstorm.
 - Flood Hazard Profile
 - Need assistance from Steering Committee to identify areas of City subject to flooding or infrastructure issues – not associated with FEMA zones. Need from school district as well.
 - Baldwin Hills flooding – outside of City – dam not rebuilt; no longer an issue.
 - City starting to have planning meetings to discuss El Nino and how the City will be preparing for it. Working with other cities/agencies – Christine is meeting with partners on Monday. Potential partial activation of EOP. Concern with runoff – ability to contain, landslides/mudflows. Previous dry conditions.
 - General Comments
 - Ensure mapping is updated to reflect specific hazard
 - Although dam inundation not being profiled, explain why not profiled.
- Risk Assessment Methodology – Provided an overview of the risk assessment methodology to the Steering Committee. How do we understand the vulnerability? Where are critical facilities located? Are there vulnerable populations? Socioeconomics can result in greater risk – ex. Income to run a/c during high heat. Develop loss estimations. Can assume worst-case scenario – total loss of a facility – structure and contents. Demonstrate cost/benefit associated with improvements versus loss of facilities. Provide information for decision-makers and the public.
- Problem Statement Exercise – The Steering Committee discussed areas of concern/issues associated with each hazard to serve as a preliminary discussion of problems/issues to frame the discussion for establishing mitigation actions.
 - Drought – 19% reduction, level 2 conservation effort, Golden State Water Company (GSWC) supplies water. West Basin – 66% of the water comes from Colorado River. Increase fire hazards within the City is starting to become a concern. Enforcement is handled through Code Enforcement but mostly reactionary. Landscape modifications may result in consequences associated with increased run off. Water recreational facilities are also being affected and changes to operations are occurring as well. Sports facilities are also getting water twice a week per city policy. Information on the website about drought and a water conservation plan was adopted this year. Public information is being generated and distributed to the community. Stopped water ornamental grass areas. GSWC implements a penalty if residents exceed their water allotment (approved by CPUC). Also use tiered water billing.
 - Seismic Hazards
 - Fault Rupture – existing light industrial, residential, Blair Hills (proposed development with a parking lot on top of the active fault).
 - Seismic Shaking – bridge failure of great concern. One of the bridges along a major transportation route that isn't owned by the City. 405 Freeway is a critical facility. Evacuation routes within the City. County DPW has determined disaster routes within the City. Master's thesis prepared for evacuation routes for the City. LA County Department of Public Works Disaster Routes. Mutual Aid agreements in place with Police, Fire, Transportation, Emergency Management already. If resources are strapped, then mutual aid would move up to the County and State

eventually. Daytime population has been stated to be over 150,000 people, but that number is suspicious. Police Department estimates the daytime population at 65,000-70,000. Westside Cities COG did a workforce housing study that indicated a daytime population of 65K-70K. If infrastructure (electricity, gas, etc...) is cut off, how is it re-routed around the areas of issue.

- Liquefaction – What does it mean to the City with regard to liquefaction zones. Most of City identified as being within liquefaction zone, but have not experienced issues associated with historical earthquakes.
 - Landslides – have experienced more situations of precipitation-induced landslides.
 - Wildfires – Connections to drought are a concern for wildfire and areas where the existing state park is adjacent to wildfire areas and areas of development. Look at wildfire potential versus the wildfire zones.
 - Windstorm – downed trees and power lines. Several cell sites throughout the City; do they have back-up power, how old is the building they are constructed on (seismic issue as well)
 - Flood – Are there current instances that the City is working on to address flooding or are there other concerns. Potential flooding not associated with flood zone, but rather infrastructure failure or intense rain overcoming the drainage system. Is there infrastructure that has been identified as being undersized or at greater risk.
- **Public Involvement Update**
 - Website text/graphics and “Save the Date” postcard have been created. Postcards are being printed by the City for distribution at City/School facilities, events, and meetings.
 - The Community Survey is drafted and will go online early next week.
 - An email is being drafted to be sent to the City Notification Lists and for CCUSD to distribute to their email lists that announces the MJHMP, provides a link to the survey, website, and email/contact information, as well as provides the “Save the Date” information for the Community Workshop/Learning Event.
 - Fiesta La Ballona August 28-30
 - Comment from the Committee on managing expectations and informing the community that the MJHMP will focus on natural hazards (make sure they understand the scope of the plan).
 - A brief overview of the Community Meeting (September 24) was provided – hybrid approach with a “formal” presentation at the beginning, informing the public about the MJHMP (what it is, purpose, contents, etc.), purpose of the workshop, importance of community involvement, and work program/schedule. The meeting will the turn into an “open house” style event allowing the community to view the hazard profile information/mapping and provide input and ask questions.
 - **Action Items**
 - Provide input on Critical Facilities and Goals by August 20, 2015
 - Obtain information from Public Works on storm drain issues, repairs completed, repairs anticipated, any areas of concern that have been identified, etc.
 - Jose to provide a copy of Workforce Housing Study – Received August 17, 2015
 - Continue to send resources – studies, data, documentation, and information on hazards to Joe
 - Mapping for hazard profiles/vulnerability assessment
 - Lisa and Jane to assist in obtaining real property and content value information for City critical facilities/assets

- **Next Steps**

- Initial Community Outreach – website, postcard, email, survey – week of August 17
- Fiesta La Ballona – August 28-30
- Steering Committee Meeting #3 – September 17 (1:00 – 3:00 pm)
- Community Workshop – September 24 (7:00 – 9:00 pm)

Culver City MJHMP Steering Committee Meeting #2 – August 13, 2015



Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Kickoff Meeting
 September 17, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Diego Cevallos	Aquatics Coordinator	City of Culver City PRCS	4175 Overland Ave. Culver City, CA 90230	diego.cevallos@culvercity.org	310-253-6684	
Heidi Hatstrup	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	heidi.hatstrup@culvercity.org	310-253-6120	
Angelina Garcia	ACFO	CC-Finance	97700 Duquesne Ave. Culver City, CA 90230	Angelina.garcia@culvercity.org	310-253-6023	
Craig Johnson	Building Official	Culver City	9770 Culver Blvd. Culver City, CA 90232	Craig.johnson@culvercity.org	310-253-8500	
Johnnie Griffing	GIS Project Manager	IT	9770 Culver Blvd. Culver City, CA 90232	John.griffing@culvercity.org	310-253-5976	X
Joe Susca	Sr. Management Analyst	Culver City PW	9770 Culver Blvd. Culver City, CA 90232	Joe.susca@culvercity.org	310-253-5636	
Jane Leonard	Sr. Management Analyst	Transportation	4343 Duquesne Ave. Culver City, CA	Jane.leonarde@culvercity.org	310-253-6523	
Lisa Vidra	Sr. Deputy City Attorney	City Attorney	9770 Culver Blvd. Culver City, CA 90232	Lisa.vidra@culvercity.org	310-253-5673	
Melissa Wilson for Jeanne Woo	Disaster Preparedness Specialist	Red Cross	1450 11 th St. Santa Monica, Ca 90405	Melissa.wilson@redcross.org / jeannewoo@redcross.org	310-405-2191	
Jose Mendivil	Associate Planner	Culver City Planning	9770 Culver Blvd. Culver City, CA 90232	Jose.mendivil@culvercity.org	310-253-5757	

Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Kickoff Meeting
 September 17, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Mike Reynolds / Sean Kearney	Assistant Superintendent	CCUSD	4034 Irving Place Culver City, CA 90232	Mikereynolds@ccusd.org	310-842-4220 x4226	
Charles Herbertson	Public Works Director/City Engineer	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	Charles.herbertson@culvercity.org	310-253-5630	
David Leuck	Technical Services Manager	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	David.leuck@culvercity.org	310-253-5961	
Aubrey Kellum	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	Aubrey.kellum@culvercity.org	310-253-6202	
Christine Parra	Emergency Prep. Coordinator	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	Christine.parra@culvercity.org	310-253-5909	
Paul Weinberg	Emergency Services Administrator	Santa Monica	333 Olympic Blvd. Santa Monica, CA 90401	paul.weinberg@smgov.net	310-458-8686	
Bill BROWN	LIEUTENANT	P. D.	4040 DUQUESNE AVE CULVER CITY, CA 90232	William.BROWN @ CULVERCITY.ORG	310-253- 6109	
Charles Herbertson	PW Director/ City Engineer	Public Works.				



Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #3
September 17, 2015
1:00 p.m. – 3:00 p.m.

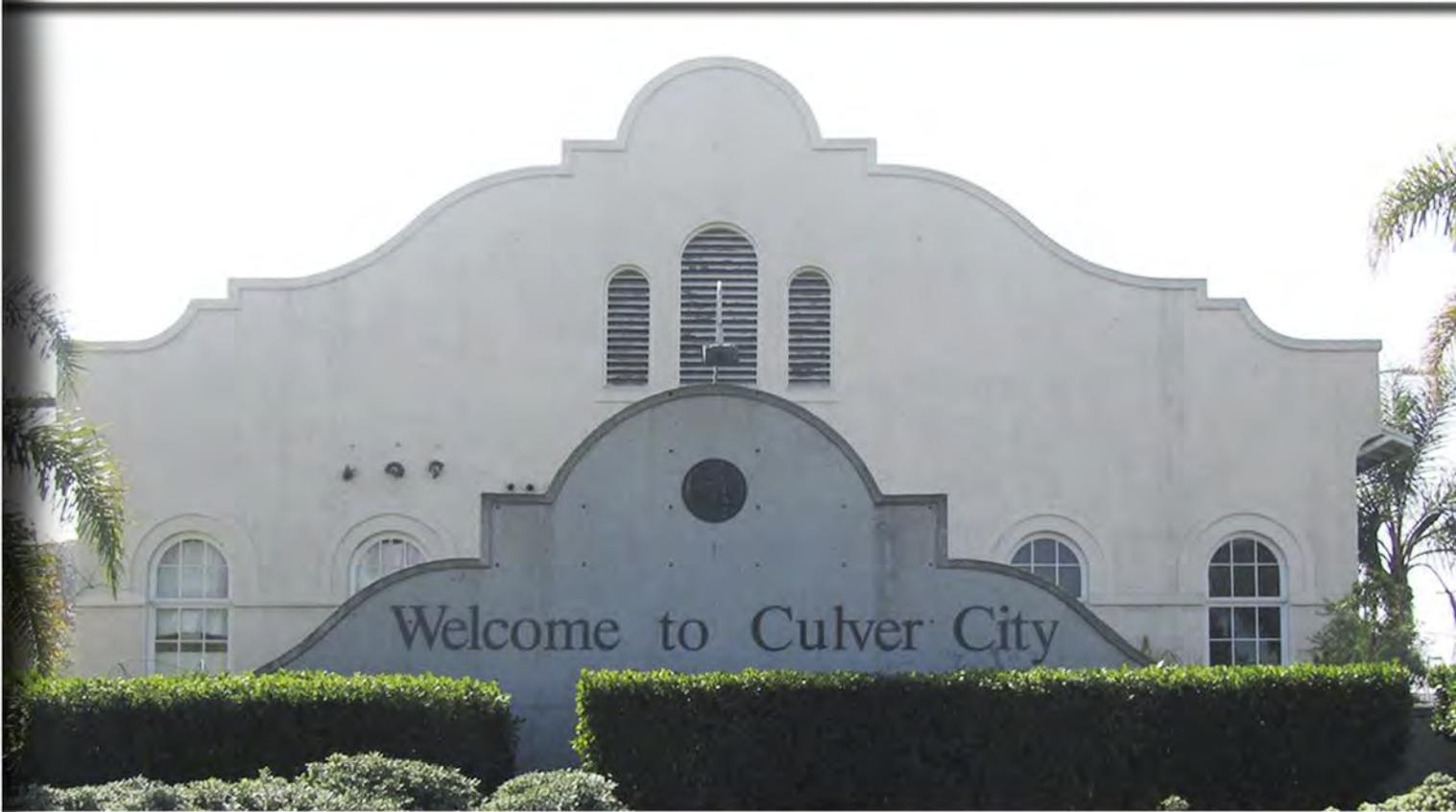
AGENDA

- I. Risk Assessment/Vulnerability Overview**
- II. Capabilities Assessment**
- III. Mitigation Goals**
- IV. Public Involvement**
 - a. Workshop Overview – September 24; 7:00-9:00 pm
 - i. Purpose
 - ii. Format
 - iii. Staff Roles
 - b. Survey
- V. Next Steps**
 - a. Community Workshop
 - b. Study Sessions
 - i. City Council – October 26
 - ii. CCUSD School Board – October 27
 - c. Survey Results
 - d. Complete Hazards Assessment
 - e. Steering Committee Meeting #4
 - i. **Reschedule from October 8 to November 12**

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan Steering Committee Meeting #3



September 17, 2015



Michael Baker
INTERNATIONAL

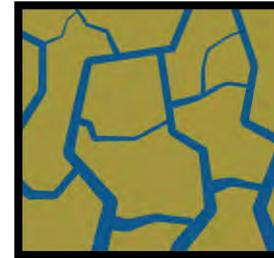
Agenda

- Risk Assessment/Vulnerability Overview (30 minutes)
- Capabilities Assessment (30 minutes)
- Mitigation Goals (20 minutes)
- Community Workshop (25 minutes)
- Next Steps (10 minutes)
- Questions/Additional Discussion (5 minutes)

RISK ASSESSMENT/ VULNERABILITY OVERVIEW

Hazards Profiled

- Drought (not mapped)
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Severe Weather (not mapped)
 - Windstorm
 - Heavy rain
- Flood



Critical Facilities – City

City Buildings	Culver City City Hall	Culver City Fire Training Building
	Culver City Police Department	Culver City Public Services Building
	Culver City Fire Station No. 1	Culver City Sanitation Transfer Station
	Culver City Fire Station No. 2	Culver City Transportation Facility
	Culver City Fire Station No. 3	
City Parks and Recreation	Culver City Veterans Park & Memorial Building	Culver City Dr. Paul Carlson Park
	Culver City Syd Kronenthal Park	Culver City Culver City Park (Botts Field)
	Culver City Blanco Park	Culver City Fox Hills Park
	Culver City Culver West Park	Culver City Lindberg Park
	Culver City Ivy Substation & Media Park	Culver City Tellefson Park
	Culver City El Marino Park	Culver City Senior Center
	Culver City Blair Hills Park	Culver City Municipal Plunge
City Pump Stations	Culver City Braddock Sewer Pump Station	Culver City Jasmine Sewer Pump Station
	Culver City Bristol Sewer Pump Station	Culver City Mesmer Sewer Pump Station
	Culver City Hayden Sewer Pump Station	Culver City Overland Sewer Pump Station
	Fox Hills Sewer Pump Station	
Medical	Southern California Hospital at Culver City	

Critical Facilities – CCUSD

Adult School (leased)	El Marino Language School
Children’s Elementary	El Rincon Elementary School
Culver City Adult School (vacant)	Farragut Elementary
Culver City High School	La Ballona Elementary
Culver City Middle School	Linwood E. Howe Elementary
Culver Park High School	Maintenance Facilities
District Natatorium	Warehouse/District IMC
District Office Building	Wildwood School (leased)
Echo Horizon School (leased)	

Seismic Hazards



- LEGEND**
- Concealed Fault Trace
 - Inferred Fault Trace
 - Approximate Fault Trace
 - Accurate Fault Trace
 - Earthquake Fault Zone
 - City Boundary
 - City Facility
 - Fire Station
 - Police Department
 - Parcel
 - Hospital
 - Park
 - CCUSD School
 - Water Body
 - Sewer Pump Station

MAP PREPARED BY: CULVERVILLE WATER PLANT
DATE: 1/14/09
SCALE: AS SHOWN

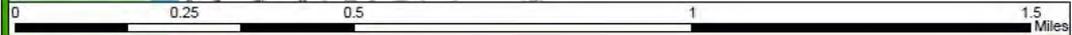
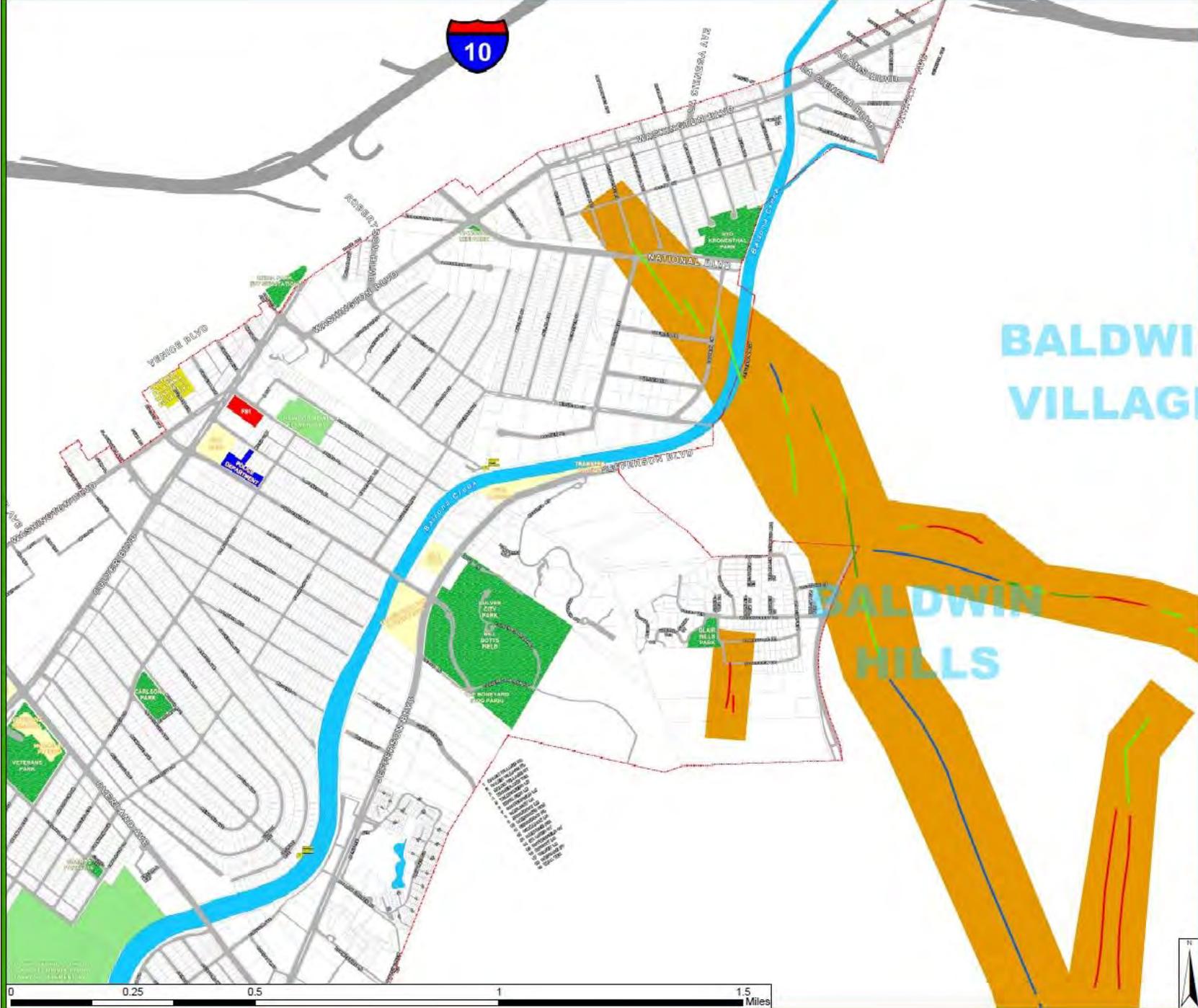
MAPS PRODUCED BY: INFORMATION SYSTEMS UNIT
DATE: 1/15/09
APPROVED BY: ALQUIST-PRIOLO MAPS
FUNCTION: 00000

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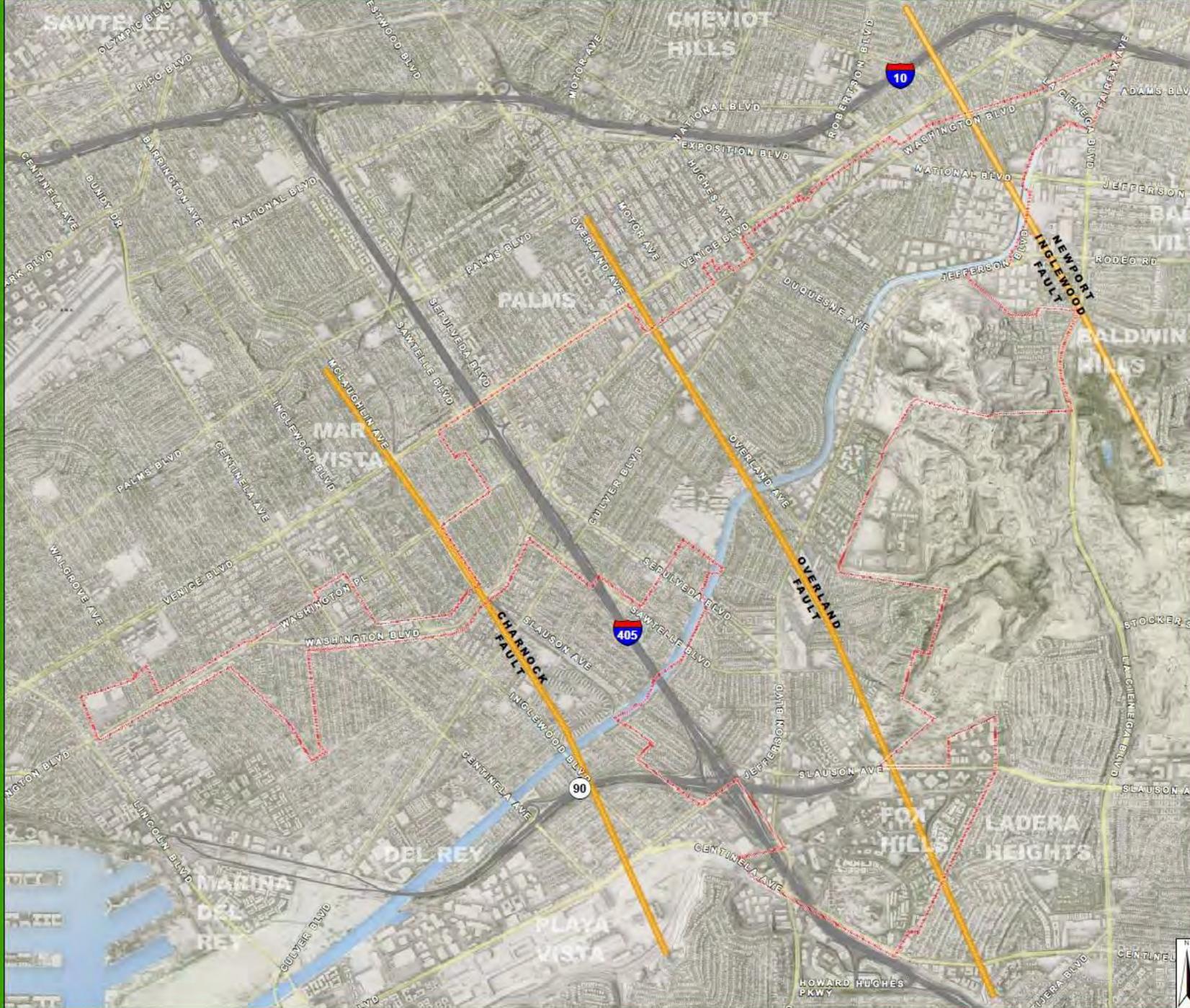
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Culver
CITY
 HAZARD MITIGATION
 COMMUNITY WORKSHOP
 LOCAL VICINITY
 EARTHQUAKE MAP



LEGEND
 Active Fault
 Potentially Active Fault



MAP PRODUCTION: COMMUNITY WORKSHOP
 DATE: 07/2015
 SCALE: 1:50,000
 MAP SOURCE: CALIFORNIA STATE PLANNING BOARD
 DATE: 01/2015
 SCALE: 1:50,000
 MAP SOURCE: CALIFORNIA STATE PLANNING BOARD
 DATE: 01/2015
 SCALE: 1:50,000
 MAP SOURCE: CALIFORNIA STATE PLANNING BOARD
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 SCALE: 1:50,000



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DATE: 07/2015 SCALE: 1:50,000

Culver CITY
HAZARD MITIGATION COMMUNITY WORKSHOP
LIQUEFACTION MAP



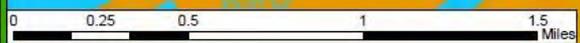
- LEGEND**
- Liquefaction
 - City Boundary
 - City Facility
 - Fire Station
 - Police Department
 - Parcel
 - Hospital
 - Park
 - CCUSD School
 - Water Body
 - Sewer Pump Station



MAP PRODUCTION: CALIFORNIA STATE PLANNING BOARD
DATE: 08/15/2014
PROJECT: HAZARD MITIGATION COMMUNITY WORKSHOP

MAP INFORMATION: 2014
DATE: 08/15/2014
APPROVED BY: [Signature]
DATE: 08/15/2014

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Culver CITY
HAZARD MITIGATION
COMMUNITY WORKSHOP
LANDSLIDE MAP



LEGEND

- Landslide Hazard Zone
- City Boundary
- City Facility
- Fire Station
- Police Department
- Parcel
- Hospital
- Park
- CCUSD School
- Water Body
- Sewer Pump Station



MAP PRODUCTION: COUNCILMAN KEVIN PLANT
DATE: 1/11/2008
SCALE: 1" = 1000'

MAPS PRODUCTION: INFORMATION SYSTEMS UNIT
DATE: 1/11/2008
SCALE: 1" = 1000'

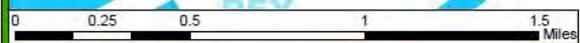
AVENUE: CULVER CITY
STREET: BROADWAY
SECTION: 1000'

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Wildfire

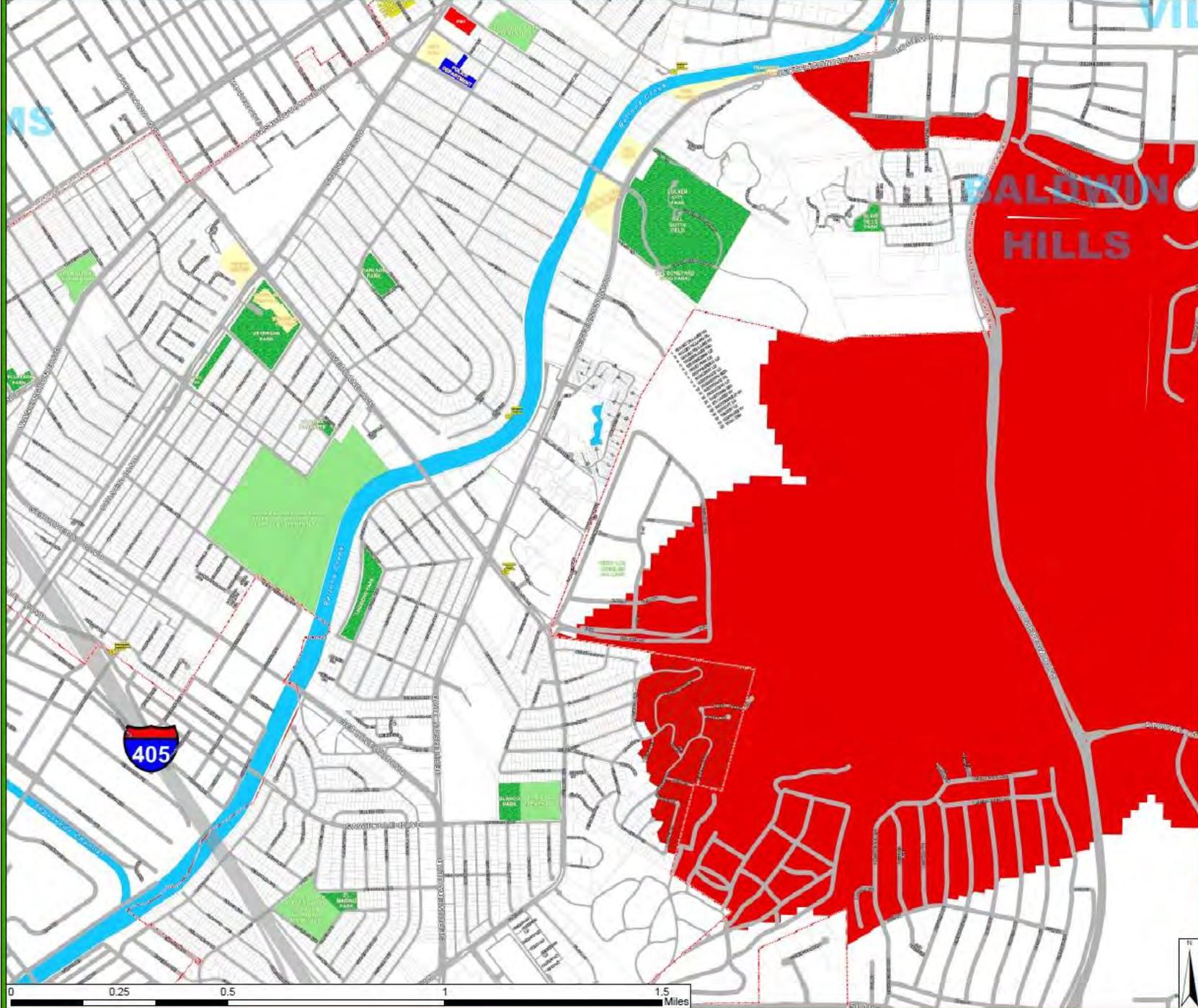
Culver CITY
HAZARD MITIGATION
COMMUNITY WORKSHOP

**FIRE HAZARD
AREAS MAP**



LEGEND

- VHFHSZ
Very High Fire Hazard Severity Zone
- VHFHSZ LRA
Very High Fire Hazard Severity Zone, Culver City Local Responsibility Area (LRA)
- City Boundary
- City Facility
- Fire Station
- Police Department
- Parcel
- Hospital
- Park
- CCUSD School
- Water Body
- Sewer Pump Station



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MAP PROJECTION: CULVERVILLE STATE PLANE
ZONE 10N, UTM
DATUM: NAD 83
UNIT: METERS
SCALE: 1:25,000
DATE: 11/15/2011
AUTHOR: INFORMATION TECHNOLOGY DEPARTMENT
REVISION: 1.0

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Flood

Culver CITY
HAZARD MITIGATION
COMMUNITY WORKSHOP
FEMA FLOOD
HAZARD ZONES MAP



- LEGEND**
- Zone A
Area of 100 year flood (base flood elevations & flood hazard factors not determined)
 - Zone AO
Area of 100 year shallow flooding where depths are between 1 & 3 feet
 - Zone B
Area between limits of 100 & 500 year flood (or subject to 100 year flood with average depths less than 1 foot)
 - City Boundary
 - City Facility
 - Fire Station
 - Police Department
 - Parcel
 - Hospital
 - Park
 - CCUSD School
 - Water Body
 - Sewer Pump Station

MAP PREPARED BY: CULVERVILLE STATE PLANNING
DATE: 1/15/2009
PROJECT: FEMA FLOOD HAZARD ZONES MAP

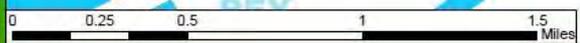
MAP INFORMATION: 2009
DATE: 1/15/2009
PROJECT: FEMA FLOOD HAZARD ZONES MAP

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SCALE: 1" = 2,000'



Vulnerability/Risk Assessment

- Identify facilities and potential loss values associated with a specific hazard (seismic, wildfire, flood)

CCUSD Facilities at Risk of Liquefaction

Facility	Replacement Value	Contents Value	Potential Loss
Linwood Howe Elementary	\$10,753,000	\$1,679,000	\$12,432,000
Culver City High School	\$43,675,000	\$8,101,000	\$51,776,000

City Facilities at Risk of Liquefaction

Facility	Replacement Value	Contents Value	Potential Loss
Fire Station 2	\$1,706,216	\$92,297	\$1,798,513
Veterans Memorial	\$7,045,303	\$443,126	7,491,429

Summary of Vulnerability

Facility	Drought	Fault Rupture	Ground Shaking	Liquefaction	Landslide/Mudflow	Wildfire	Wind-storm	Heavy Rains	Flood
Linwood Howe Elementary	Y	N	Y	Y	N	N	Y	Y	N
Culver City High School	Y	N	Y	Y	N	N	Y	Y	N

Facility	Drought	Fault Rupture	Ground Shaking	Liquefaction	Landslide/Mudflow	Wildfire	Wind-storm	Heavy Rains	Flood
Fire Station 2	Y	N	Y	Y	N	N	Y	Y	N
Veterans Memorial	Y	N	Y	Y	N	N	Y	Y	N
Culver City Park	Y	N	Y	N	Y	N	Y	Y	N

Capabilities Assessment

Capabilities Assessment

- Resources available to accomplish mitigation and reduce long-term vulnerability
- Unique to each jurisdiction
- Types of Capabilities
 - Planning and regulatory
 - Administrative and technical
 - Financial
 - Education and outreach

Capabilities Identification Worksheets

- Planning and regulatory
 - Ordinances
 - Policies
 - Local laws and state statutes
 - Plans and program that guide and manage growth
- Questions to consider:
 - Does the plan address hazards?
 - Does the plan identify projects to include in the mitigation strategy?
 - Can the plan be used to implement mitigation actions?
 - How can the capabilities be expanded and improved to reduce risk?

Capabilities Identification Worksheets

- Administrative and technical
 - City/CCUSD staff – skills/tools and capacity
 - Public and private resources
 - Ability to access and coordinate resources effectively
- Questions to consider:
 - Is coordination effective?
 - Is staffing adequate to enforce regulations?
 - Is staff trained on hazards and mitigation?
 - Is coordination between agencies and staff effective?
 - Has the capability been used to assess/mitigate risk in the past?
 - How can the capabilities be expanded and improved to reduce risk?

Capabilities Identification Worksheets

- Financial
 - Resources have or eligible to use to fund mitigation
 - *Staff time, existing operating budgets, impact fees*
 - *Local, state and federal funding sources*
- Questions to consider:
 - Has the funding resource been used in the past and for what types of activities?
 - Could the resource be used to fund future mitigation actions?
 - How can the capabilities be expanded and improved to reduce risk?

Capabilities Identification Worksheets

- Education and outreach
 - Programs and methods in place to implement mitigation actions and communicate hazard-related information
 - *fire safety programs, education programs provided at schools*
 - *Public information or communication activities*
- Questions to consider:
 - Could the program/organization help to implement future mitigation activities?
 - How can the capabilities be expanded and improved to reduce risk?

MITIGATION GOALS

Goals of the Culver City and CCUSD MJHMP

- **Protect Life and Property**
 - Implement activities that assist in protecting lives by making homes, businesses, infrastructure, critical facilities, and other property more resistant to losses from hazards.
 - Reduce losses and repetitive damages for chronic hazard events while promoting insurance coverage for catastrophic hazards.
 - Improve hazard assessment information to make recommendations for discouraging new development in high hazard areas and encouraging preventative measures for existing development in areas vulnerable to hazards.
- **Public Awareness**
 - Develop and implement educational outreach programs to increase public awareness of the risks associated with hazards.
 - Provide information on tools, partnership opportunities and funding resources to assist in implementing mitigation activities.

Goals of the Culver City and CCUSD MJHMP

■ Natural Systems

- Balance natural resource management and land use planning with natural hazard mitigation to protect life, property, and the environment.
- Preserve, rehabilitate and enhance natural systems to serve natural hazard

■ Partnerships and Implementation

- Strengthen communication and coordinate participation among and within public agencies, residents, non-profit organizations, business, and industry to gain a vested interest in implementation.
- Encourage leadership within public and private sector organizations to prioritize and implement local and regional hazard mitigation activities.

Goals of the Culver City and CCUSD MJHMP

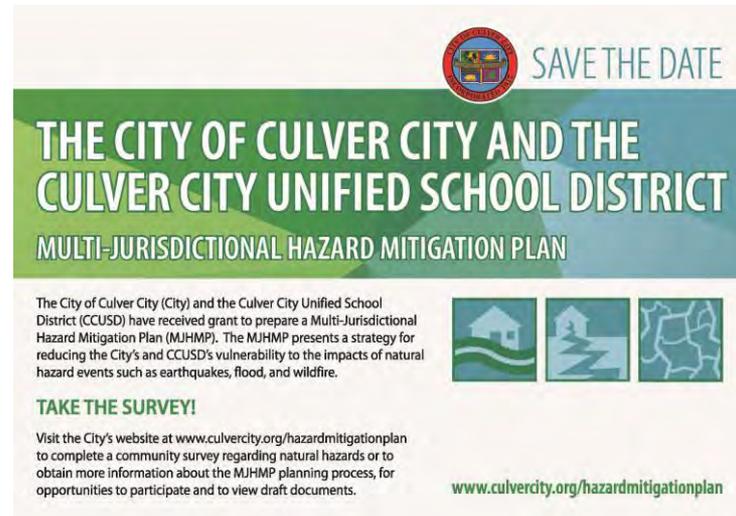
■ Emergency Services

- Establish policy to ensure mitigation projects for critical facilities, services and infrastructure.
- Strengthen emergency operations by increasing collaboration and coordination among public agencies, non-profit organizations, business and industry.
- Coordinate and integrate hazard mitigation activities; where appropriate, with emergency operations plans and procedures.

COMMUNITY WORKSHOP

Community Workshop

- When: September 24, 2015
- Time: 7:00 pm
 - Set-up to start at 6:00 pm
- Where: Culver City Senior Center
 - Rooms 71 and 73



 **SAVE THE DATE**

THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.



TAKE THE SURVEY!

Visit the City's website at www.culvercity.org/hazardmitigationplan to complete a community survey regarding natural hazards or to obtain more information about the MJHMP planning process, for opportunities to participate and to view draft documents.

www.culvercity.org/hazardmitigationplan

COMMUNITY WORKSHOP / LEARNING EVENT

When | September 24, 2015
Time | 7:00 pm

Where | Culver City Senior Center
4095 Overland Avenue
Culver City, CA 90232

Free parking is available on the premises.

A public meeting/learning event will be held to provide you with an opportunity to learn more about the Multi-Jurisdictional Hazard Mitigation Plan, review the progress achieved up to that point in time, ask questions, and make comments. For more information about the Plan, visit www.culvercity.org/hazardmitigationplan

Save the Date!

If you have any questions, please contact Joe Susca at 310-253-5636 or send an email to: hazardmitigationplan@culvercity.org

Community Workshop

- Format of the evening
 - Sign-in and registration (7:00-7:15)
 - *Packet with instruction/materials for evening*
 - Presentation (7:20-7:45)
 - *Overview of the plan, requirements, format of evening, future opportunities for participation, next steps*
 - Open House (7:50-9:00)
 - *Hazard profile stations*
 - *Community input/exercise stations*

Community Workshop

- Role of staff
 - Guide community through evening
 - Monitor the hazard profile stations
 - *Answer questions or make a note if unable to answer*
 - *Encourage community to write-down any comments/questions*
 - Monitor the exercise/input stations
 - *Encourage community to participate assist with instructions, if needed*
 - Encourage community to stay involved and get the word out!
 - *Website*
 - *Survey*
 - *Email list*
 - *City Council Meeting – October 26*
 - *CCUSD School Board Meeting – October 27*

Next Steps

- Community Meeting
 - September 24 (7:00-9:00 pm)
- CC Meeting
 - October 26
- School Board Meeting
 - October 27
- Survey Results
- Complete Hazards Assessment
- Steering Committee Meeting
 - #4 – Currently October 8
 - *Reschedule to November 12?*

**QUESTIONS/ADDITIONAL
DISCUSSION?**

Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #3

September 25, 2015

1:00 p.m. – 3:00 p.m.

MEETING SUMMARY

Attendees: Refer to Sign-in Sheet

Presentation/Discussion

- Provided Risk Assessment/Vulnerability overview, including mapping with the Critical Facilities identified for Steering Committee review. The list is being updated with recent additions and the maps will be revised and loss information will be identified. No additional comments/revisions to information provided.
- Miscellaneous Discussion – recent heavy rain event
 - Tree limb issues associated with recent heavy rains – staff able to handle
 - Minor flooding – no major issues or damage
- Capabilities Assessment
 - Planning and Regulatory
 - Disaster Recovery Plan – don't have, but on wish list
 - County Department of Public Works – map of the City emergency evacuation routes
 - Johnnie/Christine to follow-up on
 - No floodplain regulations; participate in NFIP
 - Have alquist priolo regulations – properties designated within areas – not correlated with zoning
 - Special requirements for when building on a hillside – special studies, but no ordinance.
 - Potential to use Park Master Plan to address high fire hazard issues associated with parks
 - Stormwater Master Plan – focused on water quality, not flood control
 - CIP updated every year – short-term
 - CBC adopted as part of Building Code w/modifications
 - Economic Development Plan – adopted w/in last year
 - Bicycle and Pedestrian Master Plan – adopted in 2010
 - Urban Forest Management Plan – under development
 - Bus Signal Priority Project – ties into other cities – speed of delivery – able to move people quicker throughout the City
 - Administrative and Technical
 - Planning Commission is active – key role in making decisions
 - Tree trimming program – rotation every 4 years
 - Sidewalks and inspection program
 - Pavement management program – rotation every 2-3 years
 - Conducted a building assessment a few years ago which goes into facility

improvements

- Maintenance program – separate from CIP – but some overlap
- Annual catch basin cleaning program – prior to rainy season
- Ongoing sewer maintenance and pump stations – maintain own system – identify projects for CIP
- Underground overhead electrical facilities with money set aside from SCE – case-by-case basis – once money builds up
- Streetlight maintenance
- Traffic signal maintenance
- Mutual Aid Agreements – police has them with surrounding areas; public works with LA County; transit with transmac; emergency management with Area A
- Radio intercommunication system with the County
- Several staff at City for some time; intrinsic knowledge
- Designated Floodplain Manager – Craig?
- Charles – licensed land surveyor – however typically contract out for services
- On-call contracts – sewer pipeline repair – contractor’s on-call for emergency services. Extensive list of on-call engineering consultants – traffic, engineering, design – have contractors that can contract with quickly for small contracts – not on-call, but would be helpful
- Grant writers – no one specific, but several write grants
- Use Nixel - have separate agency accounts or for entire City; Facebook; twitter – PD has own FB, City has own FB, Fire Department in process of creating own FB account
- Have access to Alert LA County; reverse 911
- Code Enforcement in Community Development Department – 2 inspectors and staff – very active/busy – can use more staff
- Public/private partnership – fiber loop – participation with city and school district – direct access to backbone – higher throughput for City/CCUSD and major members of the community. Increased capabilities.
- Outsourcing email to the cloud – online access to storage and apps in event of a major emergency – maintain access to important information. City’s home page will be hosted in cloud – cloud-driven data and information
- City employees who are residents in City – could be more of a resource during emergency situations – training – since they are close-by
- CERT
- CCares – radio
- 1-2 times per year (have one in September and December) – staff training on emergency response/preparedness
- Citywide disaster drill in October
- Each school site has emergency supplies – medical and food supplies updated on a continual basis – supplies replaced – managed by school system
- According to Red Cross there is supplies at the H.S. – need to confirm
- Shelter carts within each recognized shelter facilities
- Resiliency Group – LA County Resiliency pilot project – purchased bins for a 1,000 people of disaster supplies – being delivered to Public Works
- City has been stockpiling and obtaining supplies
- Area A region fire chiefs wanted a committee between fire operation and GIS

professionals – Johnnie attended and shared data and worked through each other’s data to obtain consistency among data. Worked with police as well. Received grant funding to partner with CalState Northridge to establish data and take into consideration traffic conditions to further delineate problem areas and how cities can respond. Provide fire chiefs with decision-making tools. Crime mapping being conducted by City and coordinating with surrounding areas.

- Area A – Bev Hills, Santa Monica, UCLA, West Hollywood
- Feels like a healthy chain of communication between the cities in the area
- Sharing of data
- Have own train station – a lot of agencies feeding into and around – expo light rail station – affects traffic flow and ability to move people in and out.
- MOU with Smart N Final – access to emergency supplies in bulk quantity
- Informal Mutual Aid w/Sony
- Sony has own fire department on-site – work directly with City FD – have dedicated emergency manager – utilize water in underground tanks and pump out in pop-up tanks can sanitize – pump system – supplies – emergency app. Signed agreement with Red Cross to be potential shelter station.
- Financial
 - CDBG – small amount of funding every year – used toward senior center right now – typically 1-2 projects a year
 - Special Purpose Taxes- sales tax increase for general purpose – no special purpose tax
 - Bonds through CCUSD for capital improvements
 - Landscape assessment district
 - Successor agency funding – still determining remaining from redevelopment
 - Sewer bonds – utilized for capital improvements – re-amortized them
 - State security money – facility money
 - Federal Highway funds
 - Received various grants
 - City maintains an emergency reserve fund – percentage of budget
 - Emergency management performance grant – shared between four cities
 - Law enforcement grant
- Education and Outreach
 - CERT
 - CCares
 - CC citizens police academy
 - Social Media
 - Website, Nixle, FB
- Mitigation Goals
 - Reviewed goals and Steering Committee provided revisions
 - Final Mitigation Goals:
 - Protect Life and Property
 - Implement activities that assist in protecting lives by making homes, businesses, infrastructure, critical facilities, and other property more resistant to losses from hazards.

- Reduce losses and repetitive damages from chronic hazard events while promoting insurance coverage for catastrophic hazards.
 - Improve hazard assessment information to make recommendations for evaluating new development in high hazard areas and encouraging preventative measures for existing development in areas vulnerable to hazards.
 - Public Awareness
 - Develop and implement educational outreach programs to increase public awareness of the risks associated with hazards.
 - Provide information on tools, partnership opportunities, and funding resources to assist in implementing mitigation activities.
 - Natural Systems
 - Balance natural resource management and land use planning with natural hazard mitigation to protect life, property, and the environment.
 - Preserve, rehabilitate, and enhance natural systems to mitigate natural hazards.
 - Partnerships and Implementation
 - Strengthen communication and coordinate participation among and within public agencies, residents, non-profit organizations, business, and industry to develop a vested interest in implementation.
 - Encourage leadership within public and private sector organizations to prioritize and implement local and regional hazard mitigation activities.
 - Emergency Services
 - Establish policy to ensure mitigation projects for critical facilities, services, and infrastructure.
 - Strengthen emergency operations by increasing coordination among public agencies, non-profit organizations, business, and industry.
 - Where appropriate, coordinate and integrate hazard mitigation activities with emergency operations plans and procedures.
- Community Workshop
 - Provided overview of workshop to occur on September 24 at 7:00 pm.
 - Staff will assist at workshop – answer question or note question/concern for follow-up response, guide residents through the evening.
 - Presentation at the beginning of the meeting followed by an open house style with activities and information gathering stations. Survey will also be available for completion.
 - Suggestion to provide opportunity for participant to provide comment on a comment card – in addition to boards.
 - Encourage people to participate in the information gathering stations and to complete the survey. Ask participants to let their neighbors, friends, co-workers, etc. about the plan preparation and encourage them to visit the website and complete the survey.
 - Next Steps
 - Community Workshop – September 24
 - October 26 – City Council
 - October 27 – School Board

- Plan preparation
- Steering Committee Meeting #4 – November 12 (10:00 – 12:00 pm)

**Culver City and Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan
City Critical Facilities**

City Buildings	Culver City City Hall	Culver City Fire Training Building
	Culver City Police Department	Culver City Public Services Building
	Culver City Fire Station No. 1	Culver City Sanitation Transfer Station
	Culver City Fire Station No. 2	Culver City Transportation Facility
	Culver City Fire Station No. 3	
City Parks and Recreation	Culver City Veterans Park & Memorial Building	Culver City Dr. Paul Carlson Park
	Culver City Syd Kronenthal Park	Culver City Culver City Park (Botts Field)
	Culver City Blanco Park	Culver City Fox Hills Park
	Culver City Culver West Park	Culver City Lindberg Park
	Culver City Ivy Substation & Media Park	Culver City Tellefson Park
	Culver City El Marino Park	Culver City Senior Center
	Culver City Blair Hills Park	Culver City Municipal Plunge
City Pump Stations	Culver City Braddock Sewer Pump Station	Culver City Jasmine Sewer Pump Station
	Culver City Bristol Sewer Pump Station	Culver City Mesmer Sewer Pump Station
	Culver City Hayden Sewer Pump Station	Culver City Overland Sewer Pump Station
	Fox Hills Sewer Pump Station	
Medical	Southern California Hospital at Culver City	

**Culver City and Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan
CCUSD Critical Facilities**

Adult School (leased)	El Marino Language School
Children's Elementary	El Rincon Elementary School
Culver City Adult School (vacant)	Farragut Elementary
Culver City High School	La Ballona Elementary
Culver City Middle School	Linwood E. Howe Elementary
Culver Park High School	Maintenance Facilities
District Natatorium	Warehouse/District IMC
District Office Building	Wildwood School (leased)
Echo Horizon School (leased)	

CITY OF CULVER CITY CAPABILITY ASSESSMENT

PLANNING AND REGULATORY

Planning and regulatory capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards.

Resource	Yes/No	Department/Agency Responsible	Description	Relationship to Hazard Mitigation Planning (ability to support or hinder mitigation)	Comments/Notes
Culver City General Plan					
Emergency Operations Plan					
Disaster Recovery Plan					
Evacuation Plan					
Floodplain Regulations					
Zoning Regulations					
Natural hazard specific ordinances (steep slope, wildfire)					
Subdivision Regulations					
Open Space/Parks Master Plan					
Stormwater Management Plan / Ordinance					
Capital Improvement Plan					
Building Code					

Resource	Yes/No	Department/Agency Responsible	Description	Relationship to Hazard Mitigation Planning (ability to support or hinder mitigation)	Comments/Notes
Fire Code					
Economic Development Plan					
Site plan review requirements					

ADMINISTRATIVE AND TECHNICAL

Administrative and technical capabilities include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions.

Resource	Yes/No	Department/Agency Responsible	Description	Relationship to Hazard Mitigation Planning (ability to support or hinder mitigation)	Comments/Notes
Planning Commission					
Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems)					
Mutual aid agreements					
Planners with land use / land development knowledge					
Planners or engineers with hazards knowledge					
Engineers or professionals trained in building and/or infrastructure construction practices					
Emergency Manager					
Floodplain Manager					
Land surveyors					
Personnel skilled in GIS					
Grant writers or staff who handle grants					
Warning systems/services (reverse 911)					

FINANCIAL

What funding resources does the City have access to or are eligible for to fund hazard mitigation?

Resource	Yes/No	Department/Agency Responsible	Description	Relationship to Hazard Mitigation Planning (ability to support or hinder mitigation)	Comments/Notes
Capital Improvement Programming					
Community Development Block Grants (CDBG)					
Special purpose taxes					
Water / sewer fees					
Stormwater utility fees					
Development impact fees					
General obligation, revenue, and/or special tax bonds					
Partnering arrangements or intergovernmental agreements					
Federal funding programs					
State funding programs					

Culver City MJHMP Steering Committee Meeting #3 – September 17, 2015





Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Meeting #4
 November 23, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Diego Cevallos	Aquatics Coordinator	City of Culver City PRCS	4175 Overland Ave. Culver City, CA 90230	diego.cevallos@culvercity.org	310-253-6684	
Heidi Hatstrup	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	heidi.hatstrup@culvercity.org	310-253-6120	
Angelina Garcia	ACFO	CC-Finance	97700 Duquesne Ave. Culver City, CA 90230	Angelina.garcia@culvercity.org	310-253-6023	
Craig Johnson	Building Official	Culver City	9770 Culver Blvd. Culver City, CA 90232	Craig.johnson@culvercity.org	310-253-8500	
Johnnie Griffing	GIS Project Manager	IT	9770 Culver Blvd. Culver City, CA 90232	John.griffing@culvercity.org	310-253-5976	
Joe Susca	Sr. Management Analyst	Culver City PW	9770 Culver Blvd. Culver City, CA 90232	Joe.susca@culvercity.org	310-253-5636	
Jane Leonard	Sr. Management Analyst	Transportation	4343 Duquesne Ave. Culver City, CA	Jane.leonarde@culvercity.org	310-253-6523	
Lisa Vidra	Sr. Deputy City Attorney	City Attorney	9770 Culver Blvd. Culver City, CA 90232	Lisa.vidra@culvercity.org	310-253-5673	
Melissa Wilson for Jeanne Woo	Disaster Preparedness Specialist	Red Cross	1450 11 th St. Santa Monica, Ca 90405	Melissa.wilson@redcross.org / jeannewoo@redcross.org	310-405-2191	
Jose Mendivil	Associate Planner	Culver City Planning	9770 Culver Blvd. Culver City, CA 90232	Jose.mendivil@culvercity.org	310-253-5757	

Culver City & Culver City Unified School District
 Multi-Jurisdictional Hazard Mitigation Plan
 Steering Committee Meeting #4
 November 23, 2015

First and Last Name	Title	Organization/Department	Mailing Address	E-Mail Address	Phone Number	Initials
Mike Reynolds	Assistant Superintendent	CCUSD	4034 Irving Place Culver City, CA 90232	Mikereynolds@ccusd.org	310-842-4220 x4226	
Sean Kearney	Director of Fiscal Services	CCUSD	4034 Irving Place Culver City, CA 90232	seankearney@ccusd.org	310-842-4220 ext. 4234	
Charles Herbertson	Public Works Director/City Engineer	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	Charles.herbertson@culvercity.org	310-253-5630	
David Leuck	Technical Services Manager	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	David.leuck@culvercity.org	310-253-5961	
Aubrey Kellum	LT	PD	4040 Duquesne Ave. Culver City, CA 90230	Aubrey.kellum@culvercity.org	310-253-6202	
Christine Parra	Emergency Prep. Coordinator	City of Culver City	9770 Culver Blvd. Culver City, CA 90232	Christine.parra@culvercity.org	310-253-5909	
Paul Weinberg	Emergency Services Administrator	Santa Monica	333 Olympic Blvd. Santa Monica, CA 90401	paul.weinberg@smgov.net	310-458-8686	
Bill Browne	Lieutenant	P.D.	4040 Duquesne Ave. Culver City, CA 90230	willian.browne@culvercity.org	310-253-6109	



Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #4

November 23, 2015

1:00 p.m. – 3:00 p.m.

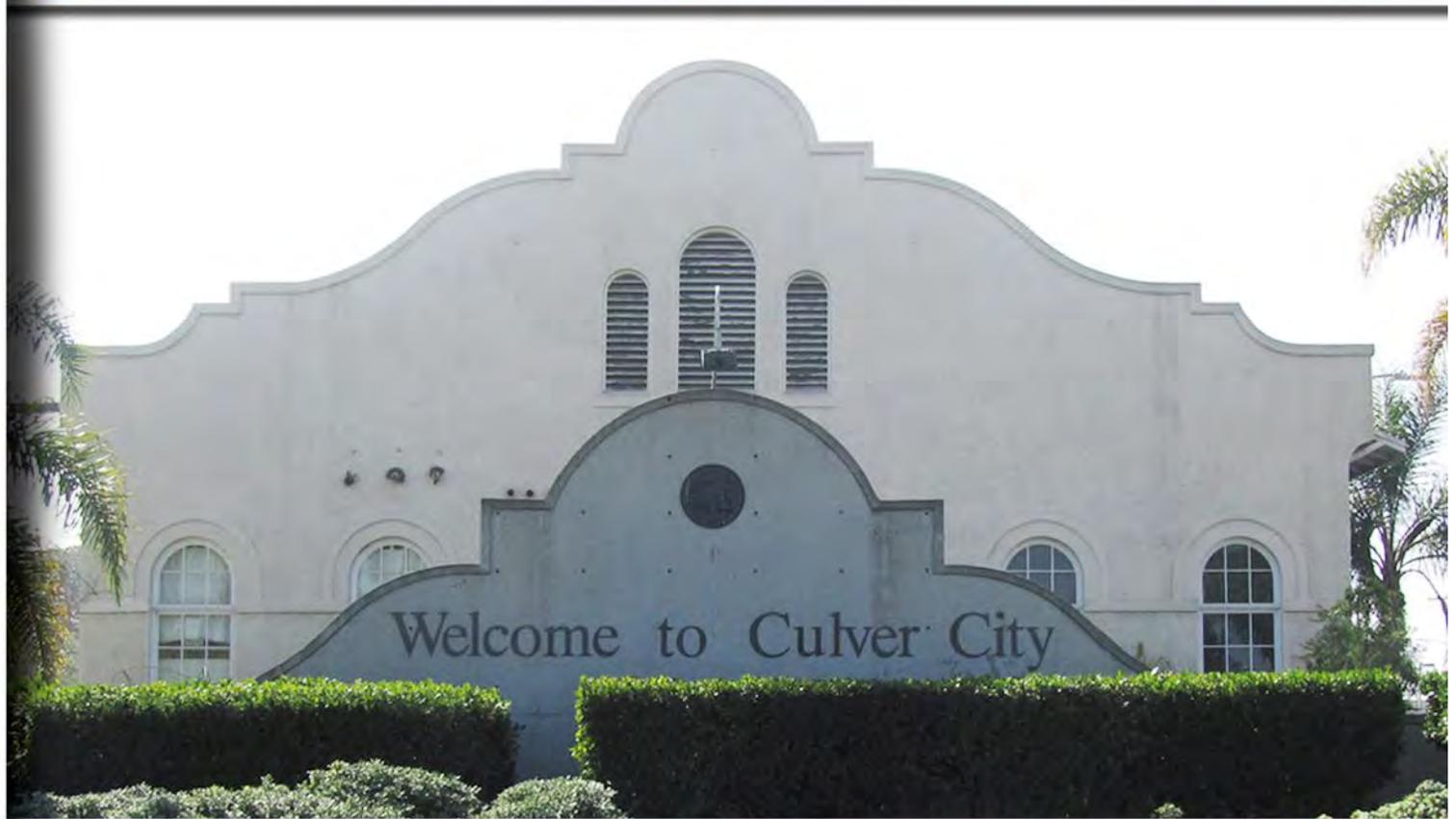
AGENDA

- I. **Risk Assessment/Vulnerability Overview**
- II. **Survey Summary**
- III. **Mitigation Actions**
 - a. Review and discuss mitigation actions
 - b. Prioritization exercise
- IV. **Next Steps**
 - a. Complete Draft MJHMP for Steering Committee Review – January 8, 2016
 - b. Steering Committee Review – January 11 – 22, 2016
 - c. Public Review Draft – mid-February (30 days)



Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan Steering Committee Meeting #4

November 23, 2015



Michael Baker
INTERNATIONAL



Agenda

- Risk Assessment/Vulnerability Overview (30 minutes)
 - Survey Summary (30 minutes)
 - Mitigation Actions (45 minutes)
 - Next Steps (10 minutes)
 - Questions/Additional Discussion (5 minutes)
- 

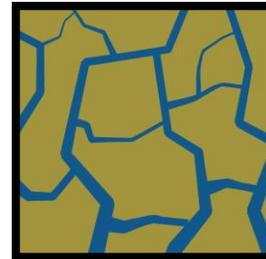


RISK ASSESSMENT/ VULNERABILITY OVERVIEW



Hazards Profiled

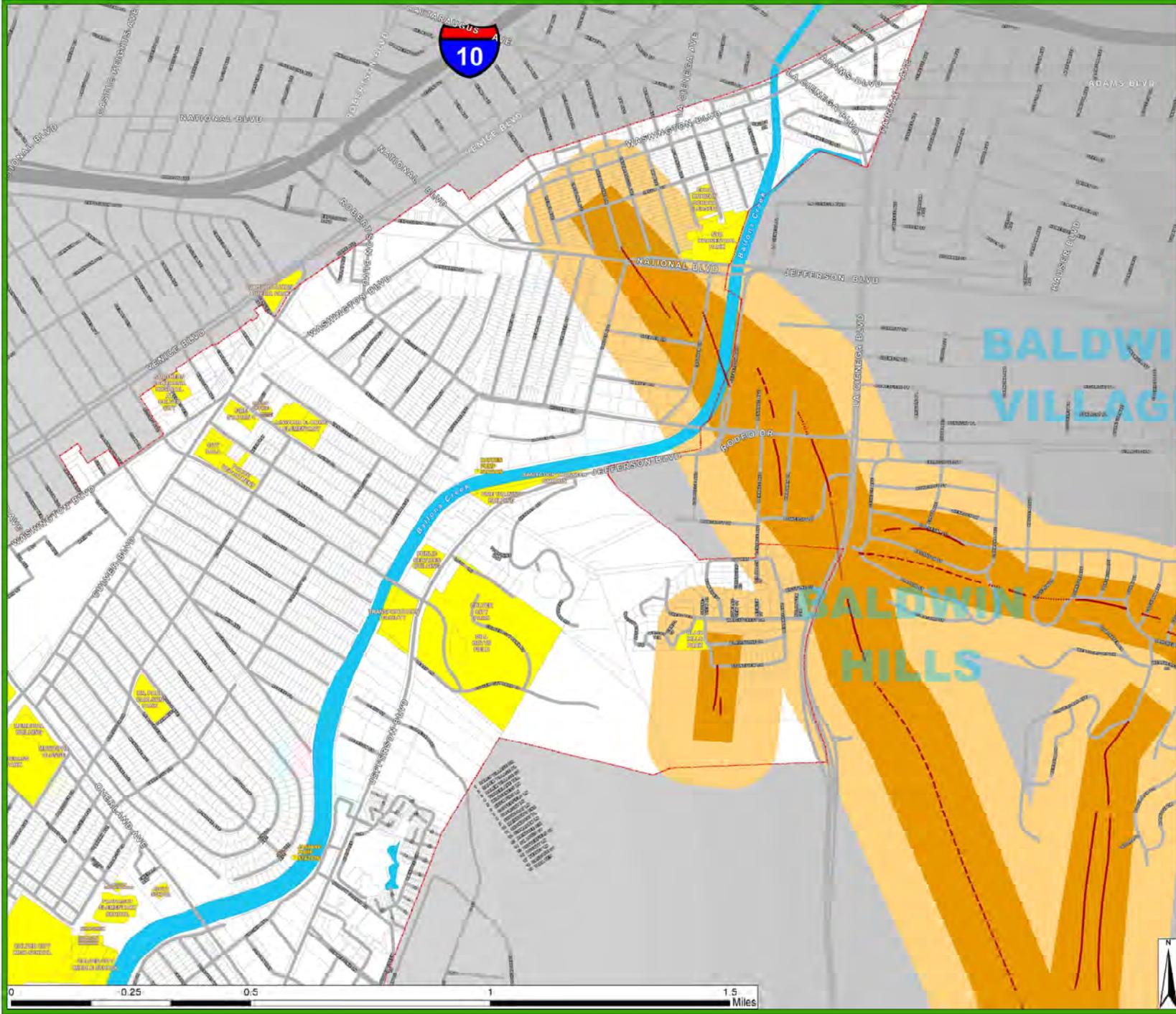
- Drought (not mapped)
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Severe Weather (not mapped)
 - Windstorm
 - Heavy rain
- Flood





Seismic Hazards





Culver CITY
HAZARD MITIGATION
COMMUNITY WORKSHOP

ALQUIST-PRIOLO MAP



- LEGEND**
- - - - - Concealed Fault Trace
 - - - - - Inferred Fault Trace
 - - - - - Approximate Fault Trace
 - - - - - Accurate Fault Trace
 - Earthquake Fault Zone
 - Fault Zone 500 ft Buffer
 - Critical Facility
 - City Boundary
 - Parcel
 - Water Body
 - Sewer Pump Station

DATE: 08/11/2010
 TIME: 10:00 AM
 PROJECT: ALQUIST-PRIOLO MAP
 DRAWN BY: [Name]

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 SPECULATED
 08/11/2010 10:00 AM
 PROJECT: ALQUIST-PRIOLO MAP
 DRAWN BY: [Name]

Fault Rupture

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Echo Horizon School (CCUSD)*	3430 McManus Avenue	\$5,112,000	\$0	\$5,112,000
Syd Kronenthal Park (City)	3459 McManus Avenue	\$942,611	\$65,879	\$1,008,490
Blair Hills Park (City)	5950 Wrightcrest Drive	\$95,777	\$0	\$95,777
Total		\$6,150,388	\$65,879	\$6,216,267

* The Echo Horizon School facility is owned by the CCUSD, but is leased to a private school.

Culver CITY

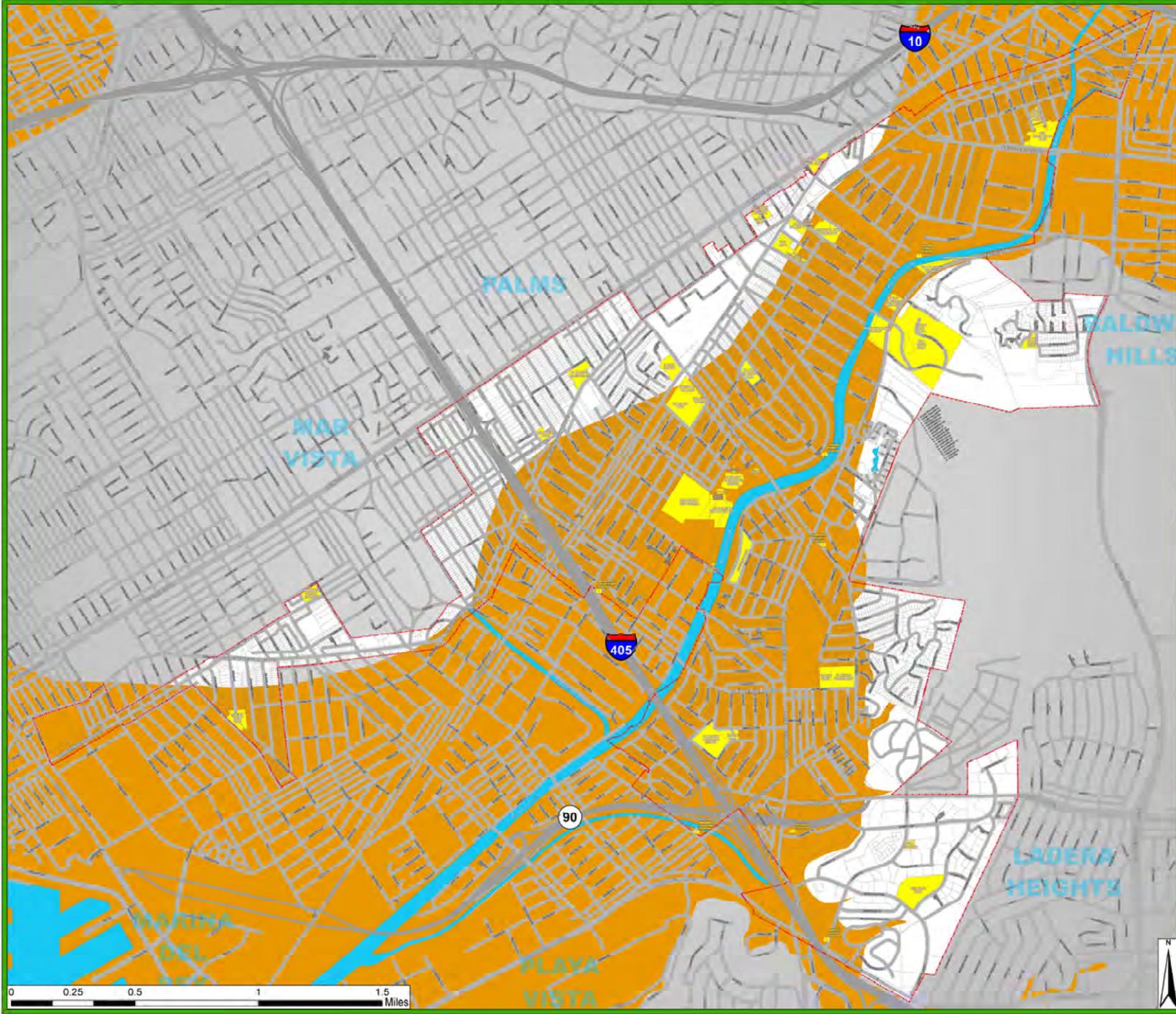
HAZARD MITIGATION COMMUNITY WORKSHOP

LIQUEFACTION MAP



LEGEND

- Liquefaction
- Critical Facility
- City Boundary
- Parcel
- Water Body
- Sewer Pump Station



DATE: 11/14/2013
 TIME: 10:00 AM
 PROJECT: LIQUEFACTION MAP

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 CULVER CITY, CA 90230
 TEL: 310.554.3333

Liquefaction – CCUSD

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Unified School District Office	4034 Irving Place	\$6,277,215	\$580,000	\$6,857,215
High School	4401 Elenda Street	\$41,376,330	\$8,101,000	\$49,477,330
Culver Park Continuation High School	4601 Elenda Street	\$1,660,664	\$321,000	\$1,981,664
Middle School	4601 Elenda Street	\$26,524,743	\$2,598,000	\$29,122,743
El Marino Language School	11450 Port Road	\$8,348,419	\$1,496,000	\$9,844,419
El Rincon Elementary	11177 Overland Avenue	\$8,937,845	\$1,332,000	\$10,269,845
Farragut Elementary	10820 Farragut Drive	\$9,614,940	\$1,572,000	\$11,186,940
Linwood E. Howe	4100 Irving Place	\$9,130,373	\$1,679,000	\$10,809,373
Office of Child Development	10800 Farragut Drive	\$1,084,116	\$250,000	\$1,334,116
Adult School	4909 Overland Avenue	\$4,000,000	\$589,000	\$4,589,000
Maintenance Facilities	11102 Lucerne Avenue	\$1,607,074	\$258,000	\$1,865,074
Natorium	4601 Elenda Street	\$3,762,509	\$147,000	\$3,909,509
Warehouse/ District IMC	4034 Irving Place	\$1,339,000	\$209,000	\$1,548,000
Echo Horizon School*	3430 McManus Avenue	\$5,112,000	\$0	\$5,112,000
Total		\$,128,775,228	\$18,552,000	\$147,907,228

* The Echo Horizon School facility is owned by the CCUSD, but is leased to a private school.

Liquefaction – CCUSD

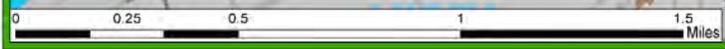
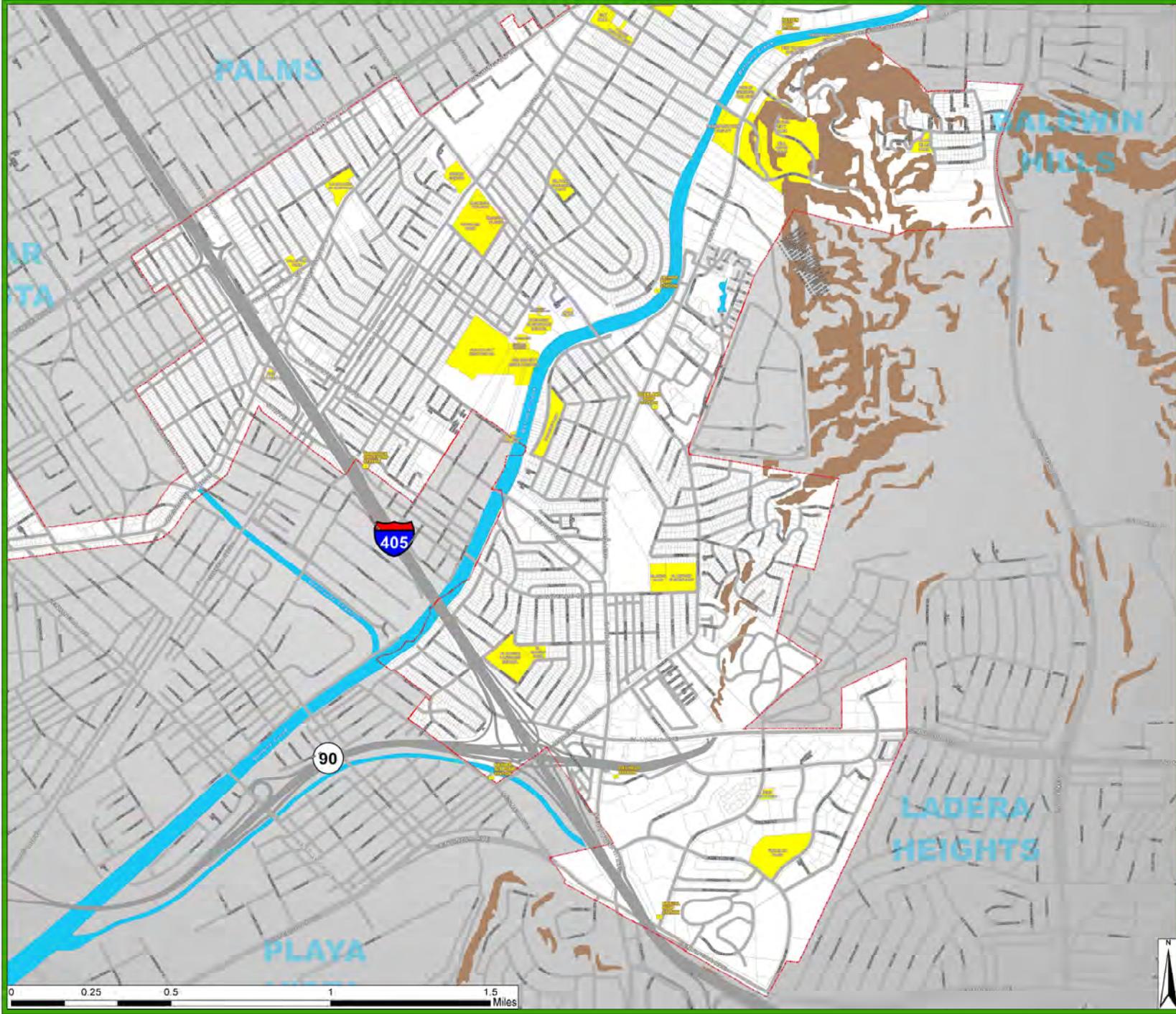
Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Police Department	4040 Duquesne Avenue	\$10,212,855	\$1,752,325	\$11,965,180
Fire Station No. 2	11252 Washington Boulevard	\$1,706,216	\$92,297	\$1,798,513
Fire Training Building	9275 Jefferson Boulevard	\$282,256	\$36,392	\$318,648
Public Works Yard	9505 Jefferson Boulevard	\$8,310,098	\$1,786,196	\$10,096,294
Sanitation Transfer Station	9255 Jefferson Boulevard	\$4,026,878	\$438,464	\$4,465,342
Transportation Facility	4343 Duquesne Avenue	\$26,036,981	\$2,761,451	\$28,798,432
Veterans Park & Memorial Building	4117 Overland Avenue	\$7,048,303	\$443,126	\$7,491,429
Syd Kronenthal Park	3459 McManus Avenue	\$942,611	\$65,879	\$1,008,490
Blanco Park	5801 Sawtelle Boulevard	\$164,087	\$0	\$164,087
Culver West Park	4162 Wade Street	\$912,258	\$77,608	\$989,866
El Marino Park	5301 Berryman Avenue	\$287,818	\$21,265	\$309,083
Dr. Paul Carlson Park	4233 Motor Avenue	\$132,746	\$0	\$132,746
Culver City Park (Botts Field)	9690 Jefferson Boulevard	\$459,048	\$32,444	\$491,492
Lindberg Park	5401 Rhoda Way	\$517,120	\$30,584	\$547,704
Municipal Plunge	4175 Overland Avenue	\$2,839,743	\$94,380	\$2,934,123
Total		\$63,879,018	\$7,632,411	\$71,511,429

Culver
CITY
 HAZARD MITIGATION
 COMMUNITY WORKSHOP
LANDSLIDE MAP



LEGEND

- Landslide Hazard Zone
- Critical Facility
- City Boundary
- Parcel
- Water Body
- Sewer Pump Station



DATE: 11/14/2014
 TIME: 10:00 AM
 USER: JGIBSON
 PROJECT: HAZARD MITIGATION

PROJECTION: NAD 83 UTM 11Q UTM
 DATUM: NAD 83
 ELLIPSOID: GRS 80
 MERIDIAN: 118W
 FALSE EASTING: 500000
 FALSE NORTHING: 0
 SCALE FACTOR: 0.99960125
 MERIDIAN FLATTENING: 0
 UTM ZONE: 11Q

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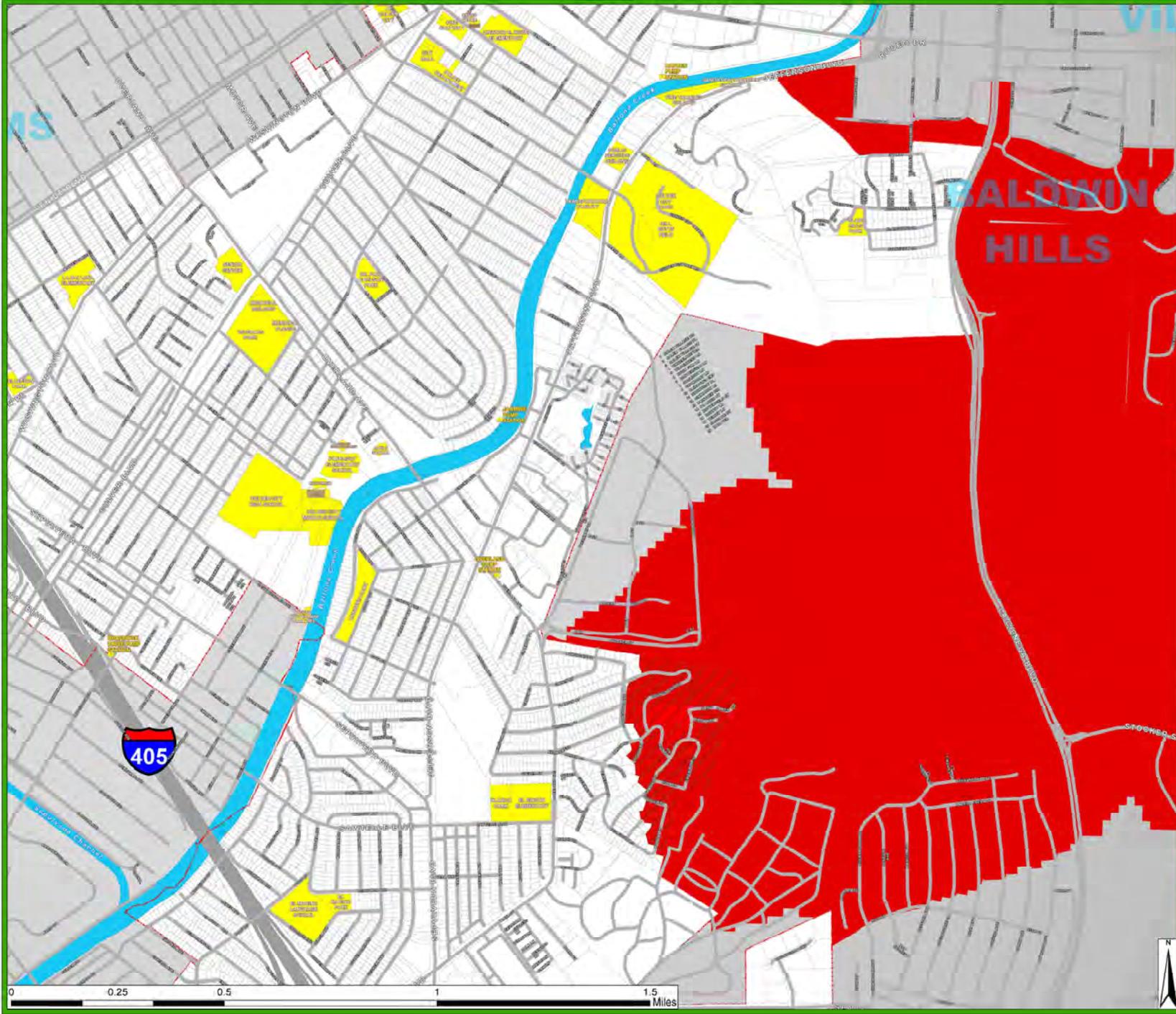
Landslides

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Blair Hills Park (City)	5950 Wrightcrest Drive	\$95,777	\$0	\$95,777
Culver City Park (Botts Field) (City)	9690 Jefferson Boulevard	\$459,048	\$32,444	\$491,492
Total		\$554,825	\$32,444	\$587,269



Wildfire





Culver CITY
HAZARD MITIGATION
COMMUNITY WORKSHOP
**FIRE HAZARD
AREAS MAP**



- LEGEND**
- VHFHSZ
Very High Fire Hazard Severity Zone
 - VHFHSZ LRA
Very High Fire Hazard Severity Zone, Culver City Local Responsibility Area (LRA)
 - Critical Facility
 - City Boundary
 - Parcel
 - Water Body
 - Sewer Pump Station

DATE: 11/15/2011
TIME: 10:00 AM
PROJECT: FIRE HAZARD MITIGATION
DRAWN BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

ACCURACY: ± 1 FOOT
SCALE: 1" = 100 FEET
PROJECTION: NAD 83 UTM
DATUM: NAD 83
ELEVATION: 100 FEET

DISCLAIMER
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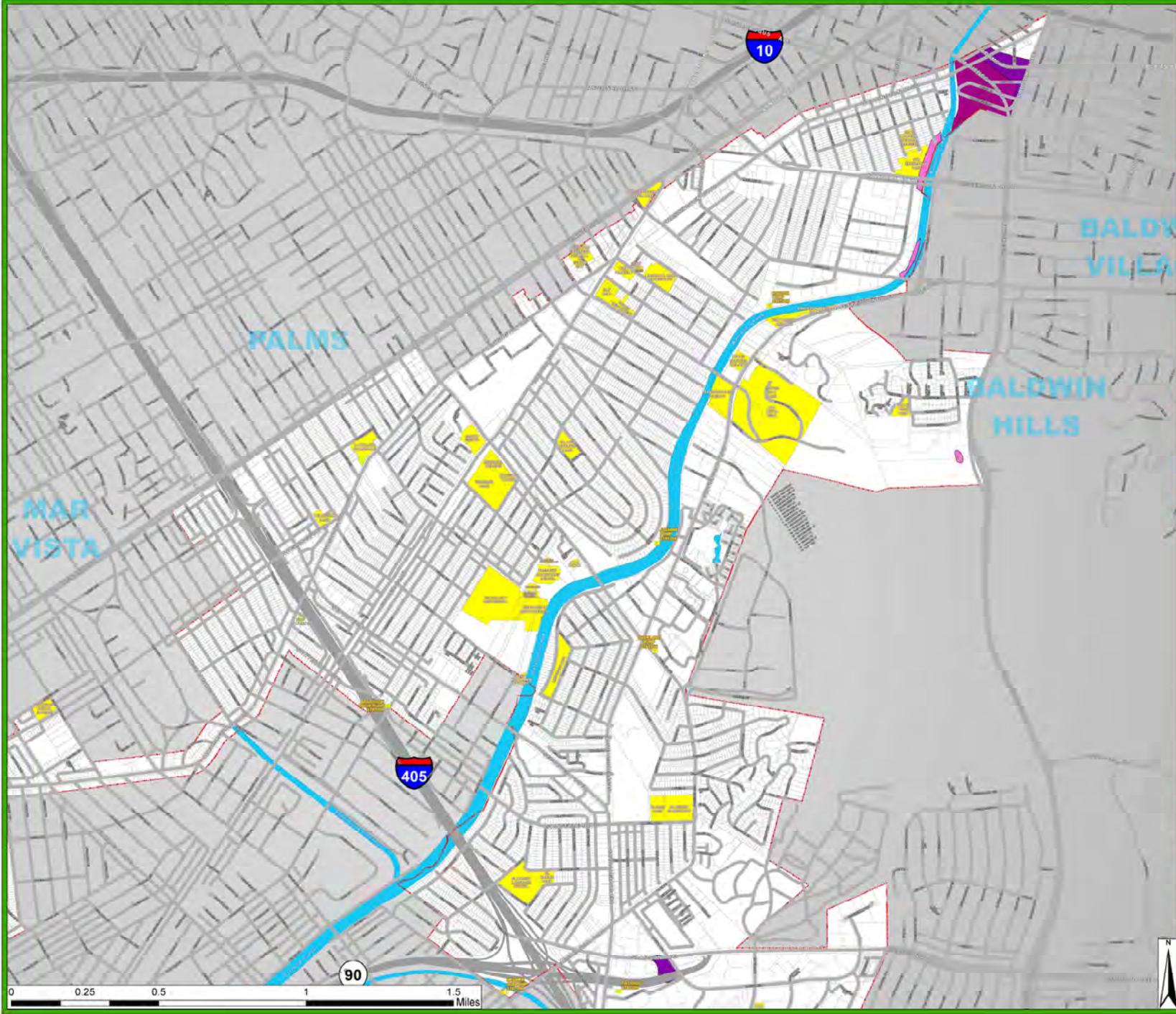
THE CITY OF CULVER CITY
INFORMATION TECHNOLOGY DEPARTMENT
GEOGRAPHIC INFORMATION SYSTEM
8700 CULVER BLVD.
CULVER CITY, CA 90230
TEL: 310.558.3100

11/15/2011 SCALE: 1" = 1000'



Flood





Culver CITY
 HAZARD MITIGATION
 COMMUNITY WORKSHOP

FEMA FLOOD
 HAZARD ZONES MAP



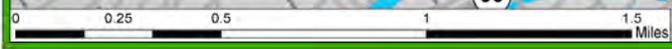
- LEGEND**
- Zone A
 Area of 100 year flood (base flood elevations & flood hazard factors not determined)
 - Zone AO
 Area of 100 year shallow flooding where depths are between 1 & 3 feet
 - Zone B
 Area between limits of 100 & 500 year flood (or subject to 100 year flood with average depths less than 1 foot)
 - Critical Facility
 - City Boundary
 - Parcel
 - Water Body
 - Sewer Pump Station

DATE: 11/14/2018
 TIME: 10:00 AM
 PROJECT: FEMA FLOOD HAZARD ZONES MAP

DISCLAIMER
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Flood

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Syd Kronenthal Park (City)	3459 McManus Avenue	\$942,611	\$65,879	\$1,008,490

Vulnerability Summary

	Drought	Fault Rupture	Ground Shaking	Liquefaction	Landslide/ Mudflow	Wildfire	Windstorm/ Heavy Rain	Flood
Area (acres) (% of City)	3,289	187.5 (5.7%)	3,289	1996.9 (60.7%)	111.9 (3.4%)	48.1 (1.5%)	3,289	28.3 (0.8 %)
CULVER CITY								
Number of Residents (% of population)	39,105	736 (1.9%)	39,105	22,084 (56.5%)	0	190 (0.5%)	39,105	30 (.08%)
Number of Employees (% of employees)	45,340	1,353 (2.9%)	45,340	24,120 (53%)	0	72 (1.6%)	45,340	364 (0.8%)
CULVER CITY UNIFIED SCHOOL DISTRICT								
Number of Students (% of student population)	7,062	0	7,062	6,491 (92%)	0	0	7,062	0
Number of Staff (% of staff)	503	0	503	467 (93%)	0	0	503	0



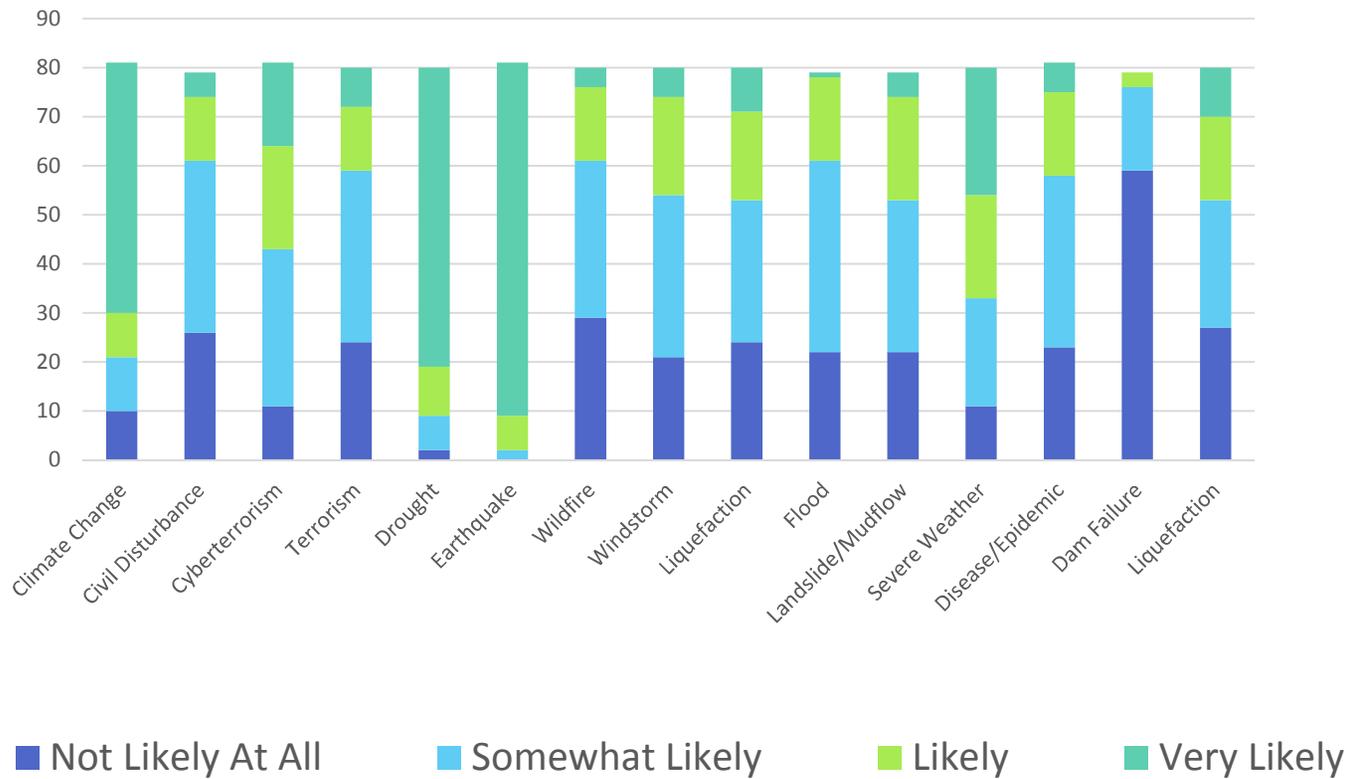
SURVEY SUMMARY



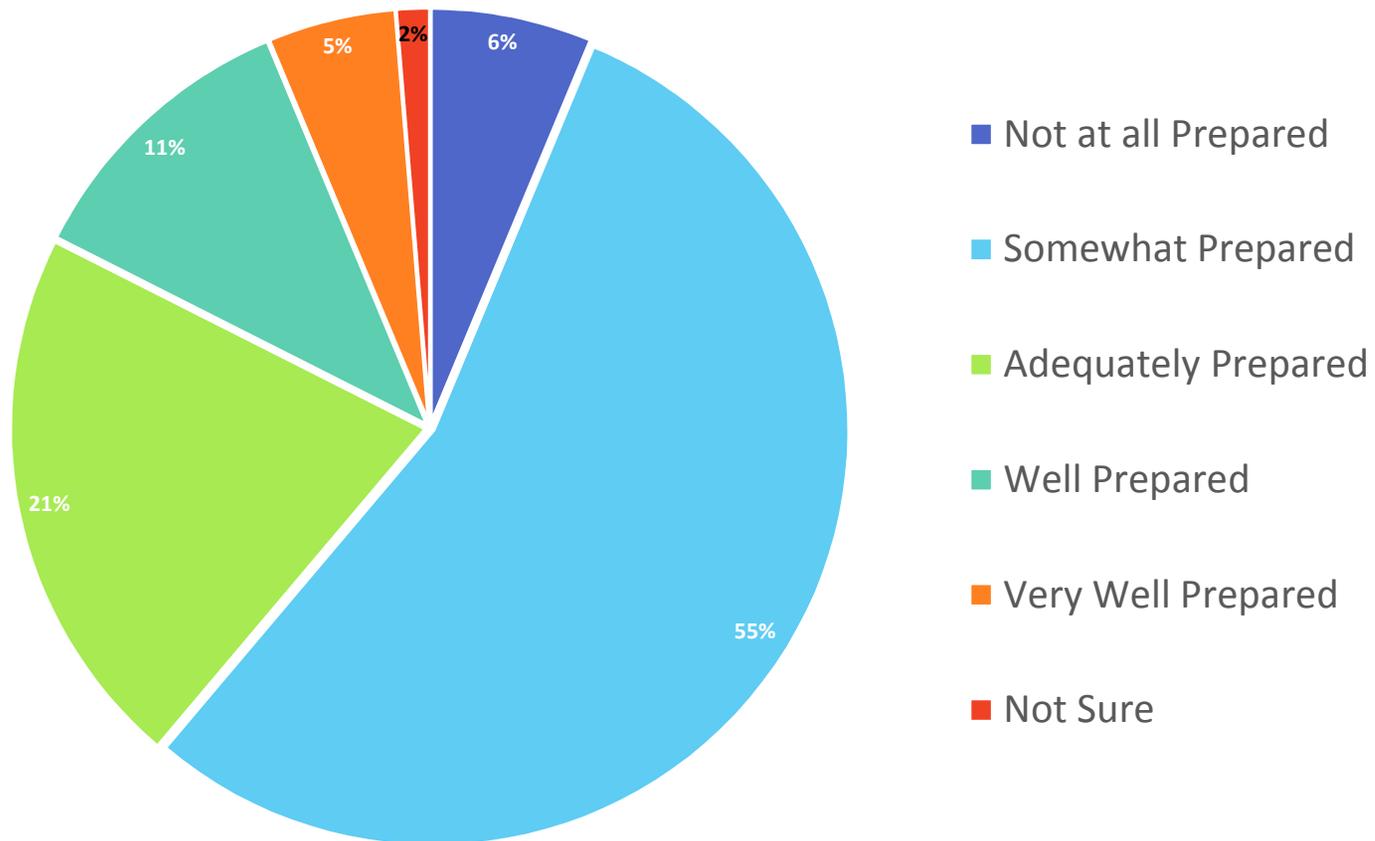
Survey Summary

- Survey
 - Available August 17 – November 9, 2015
 - 30 multiple choice questions/comment boxes
 - 81 responses
- Survey Respondents
 - 79% owned home/business; 21% rented home/business
 - Almost 90% of respondents are residents; 28% work in the City
 - Majority of respondents 36 years of age and above with largest group over 45

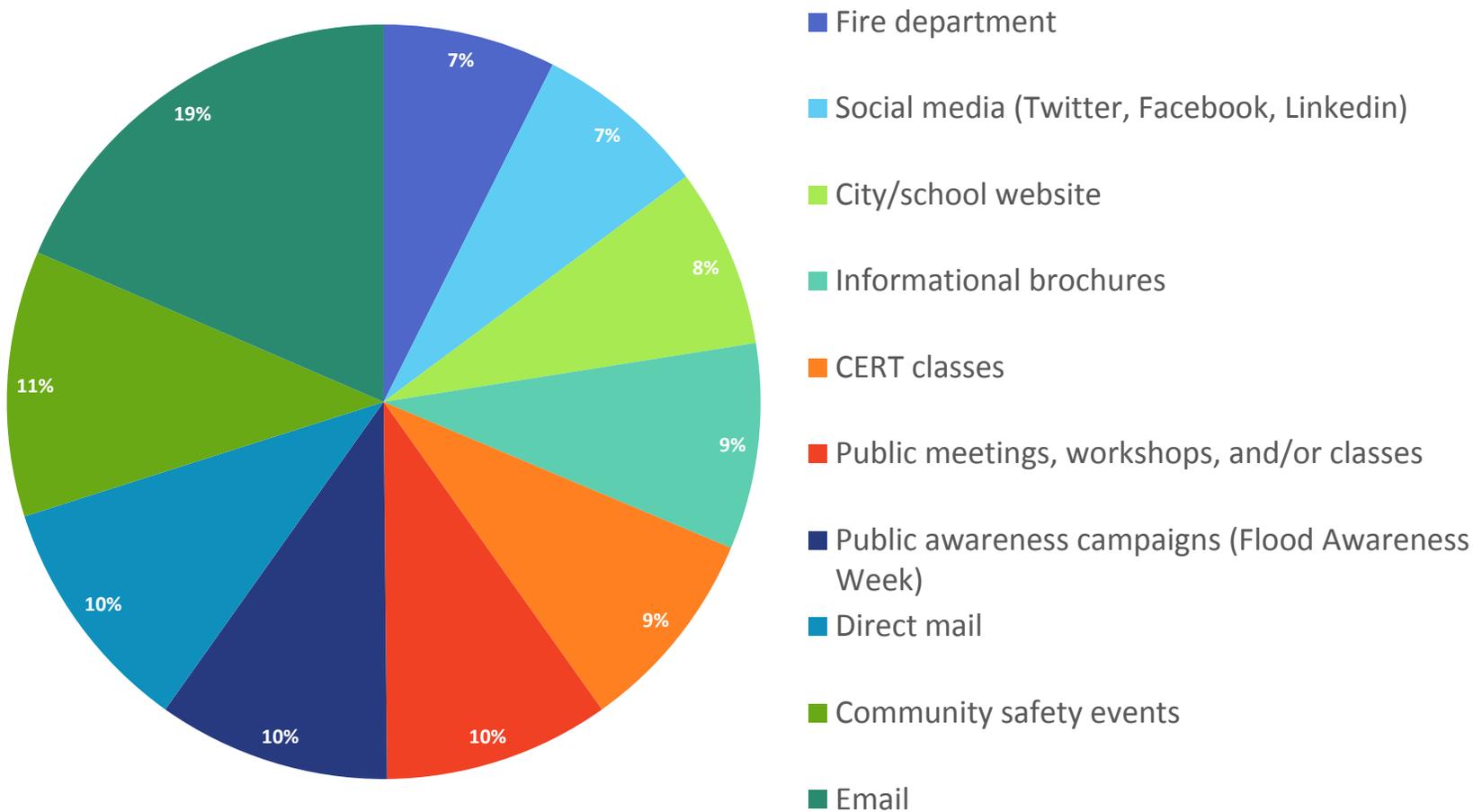
What do you believe is the likelihood that these disasters will happen in or impact the City of Culver City? Please check ONE response for each hazard.



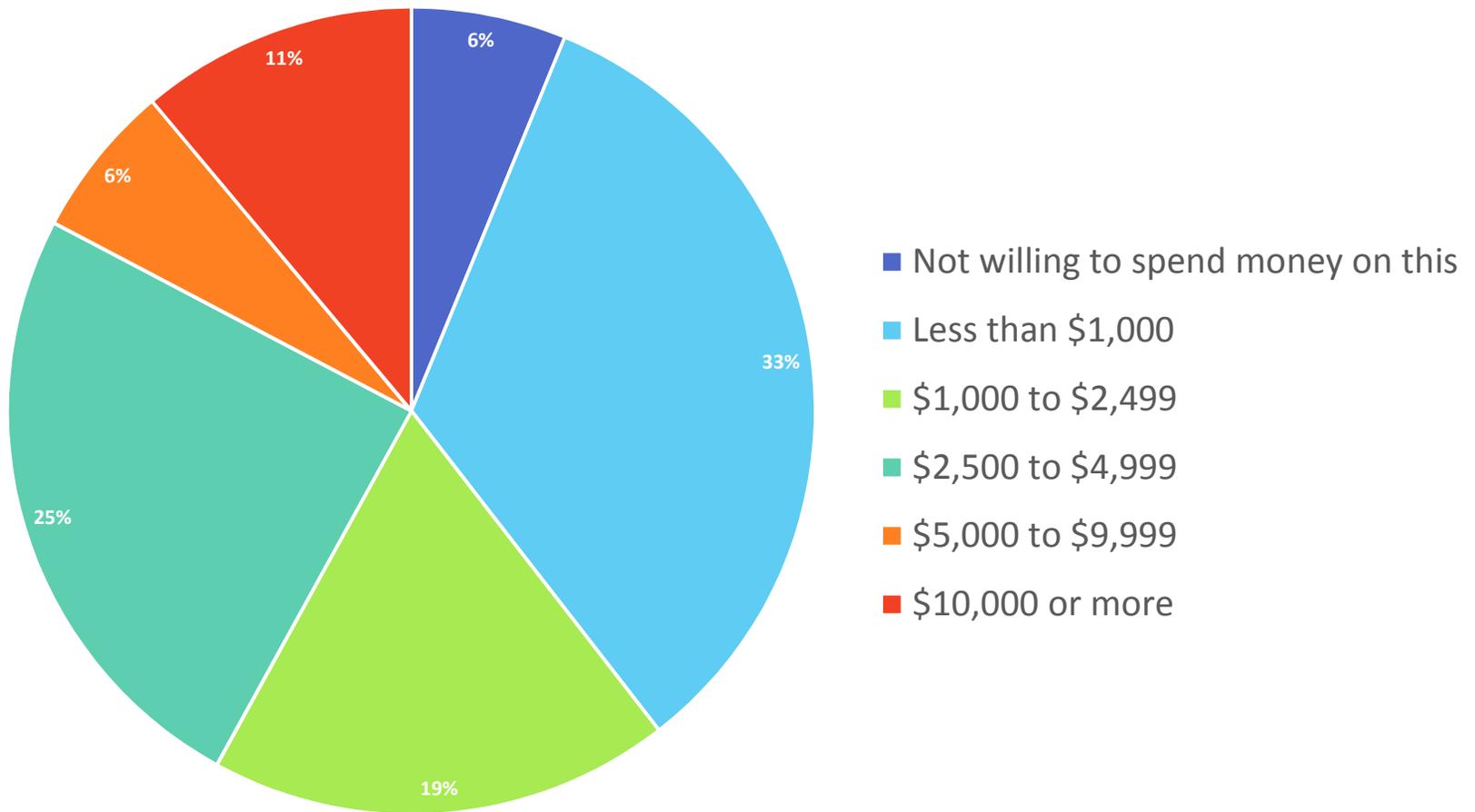
How prepared is your household to deal with a natural hazard event likely to occur in Culver City (check ONE)?



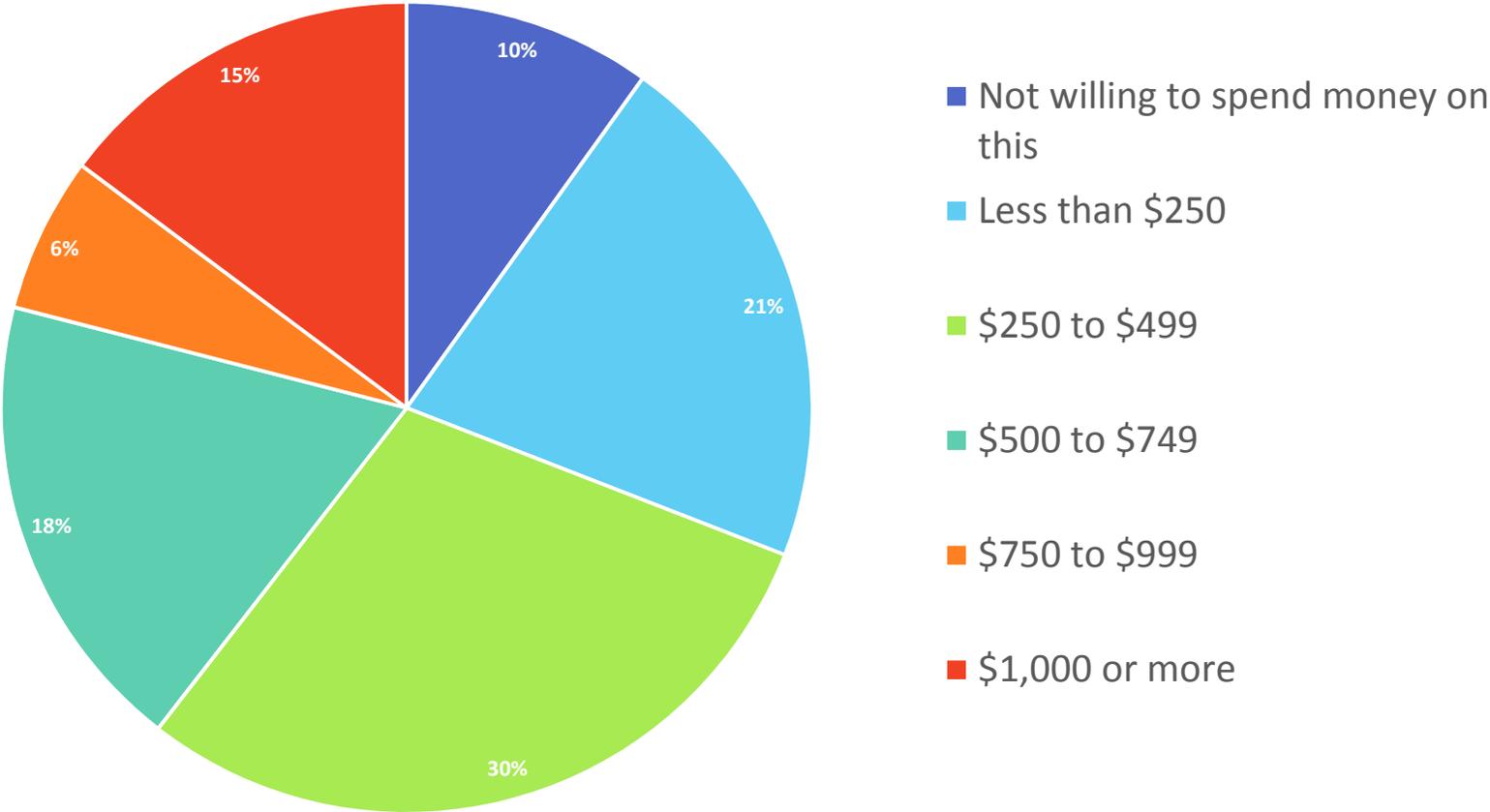
Top 10 responses: What are the MOST EFFECTIVE ways for you to receive information about how to make your home and neighborhood more resistant to hazards (check all that apply)?



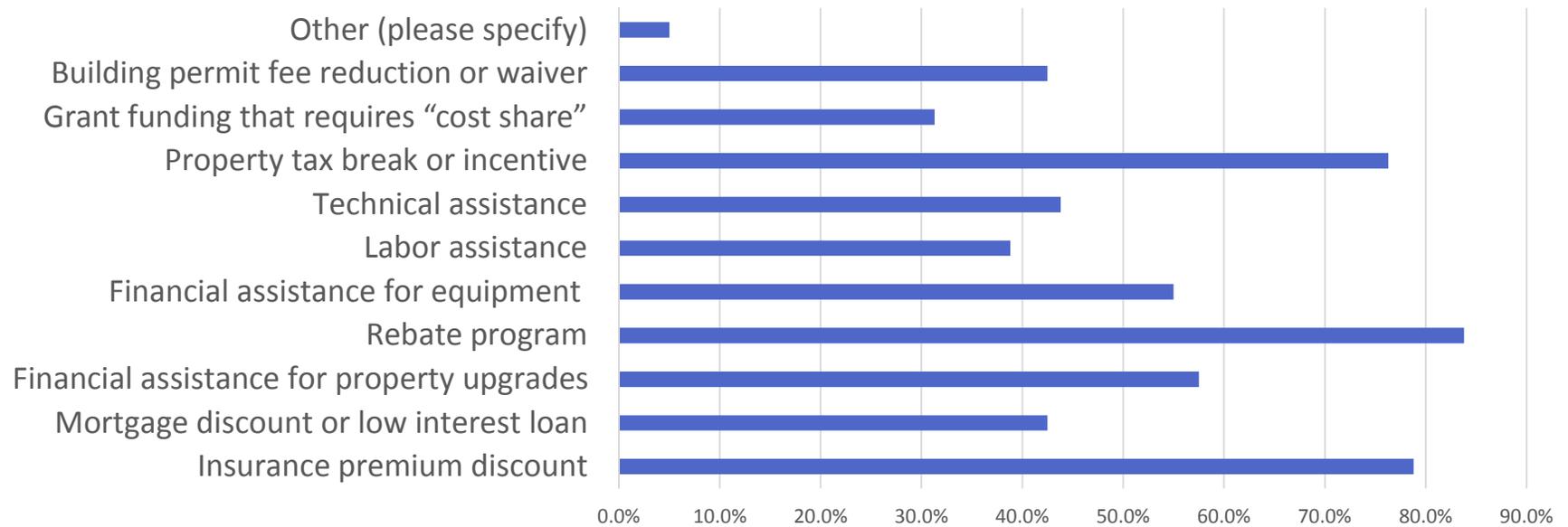
How much money would you be willing to spend at one time to protect your home or business from natural hazards?



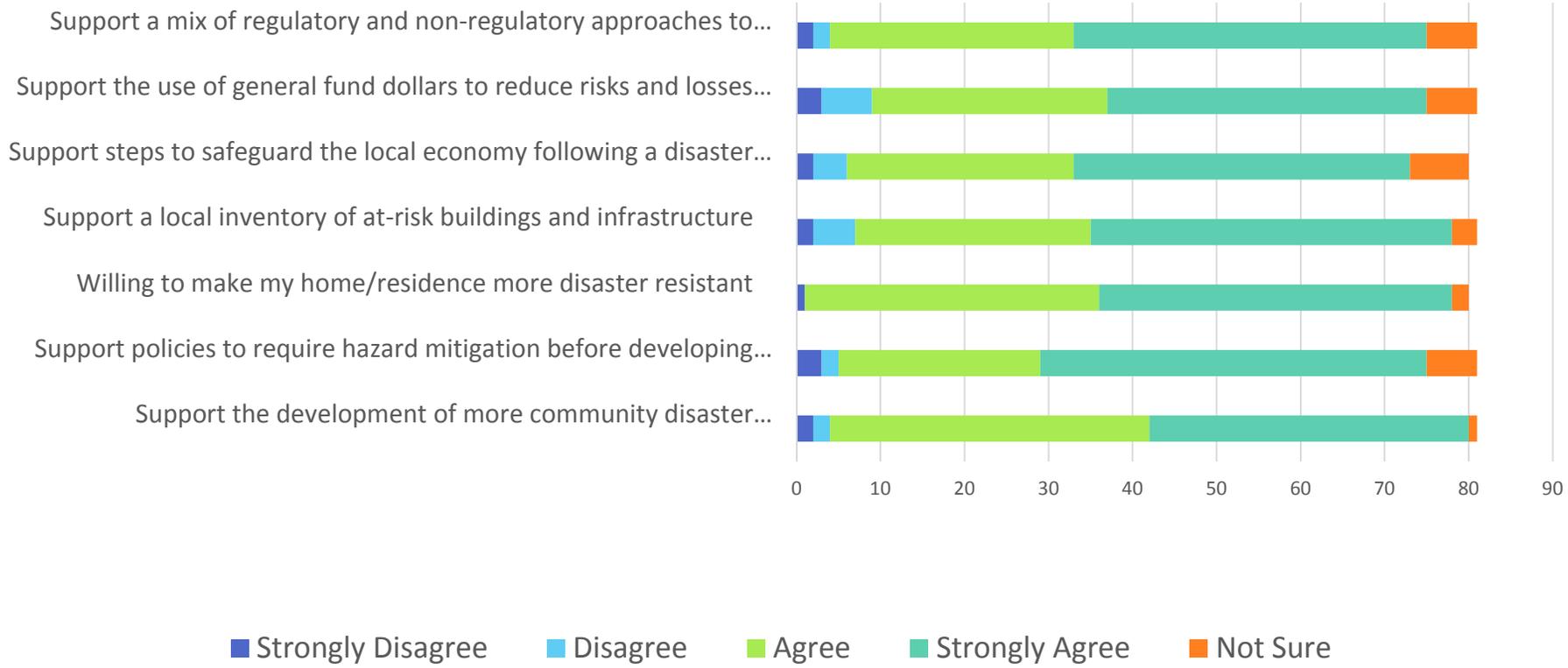
How much money would you be willing to spend each year to protect your home or business from natural hazards in the form of flood and/or earthquake insurance?



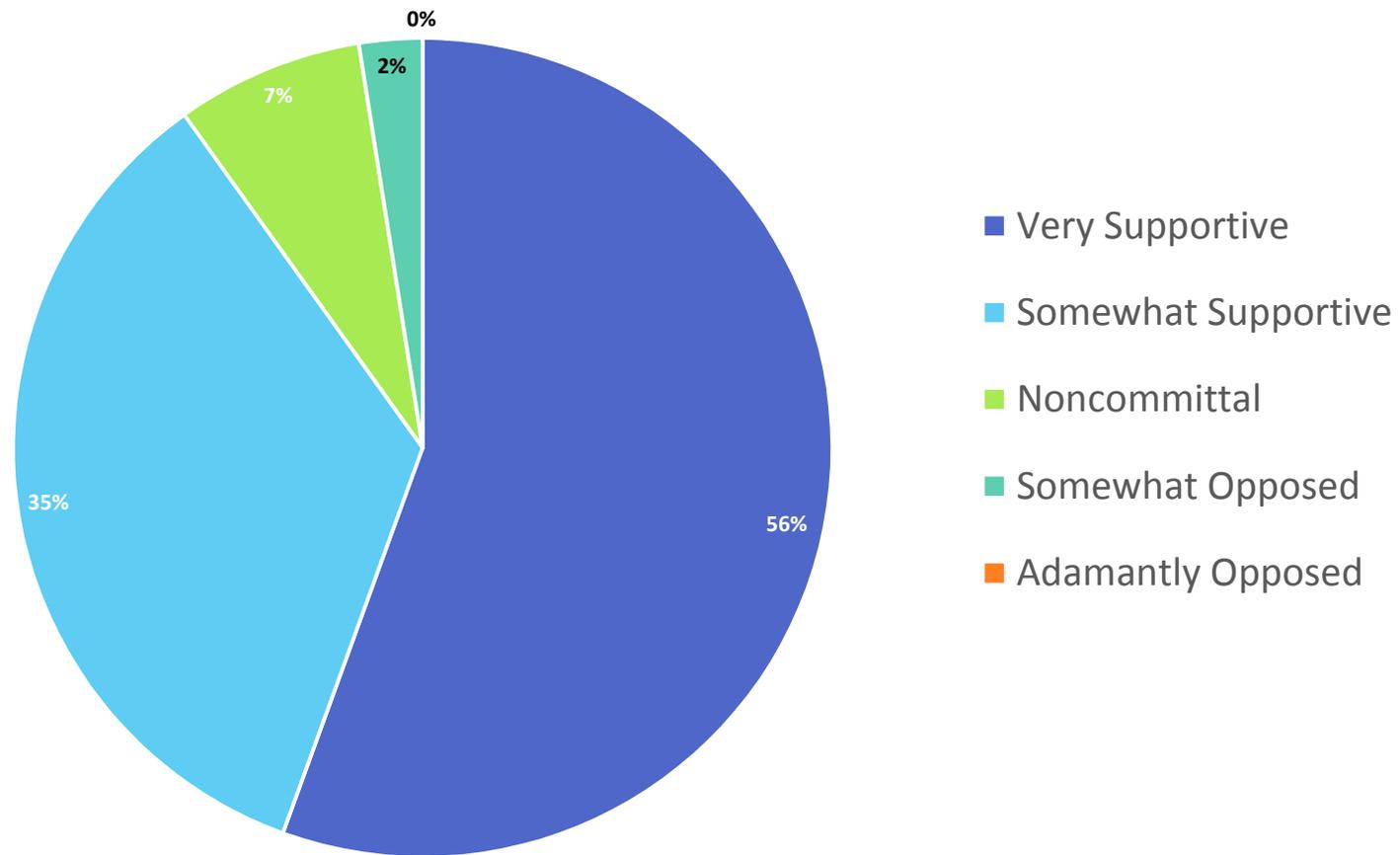
What of the following incentives would encourage you to protect your home or business against natural hazards? (check all that apply)



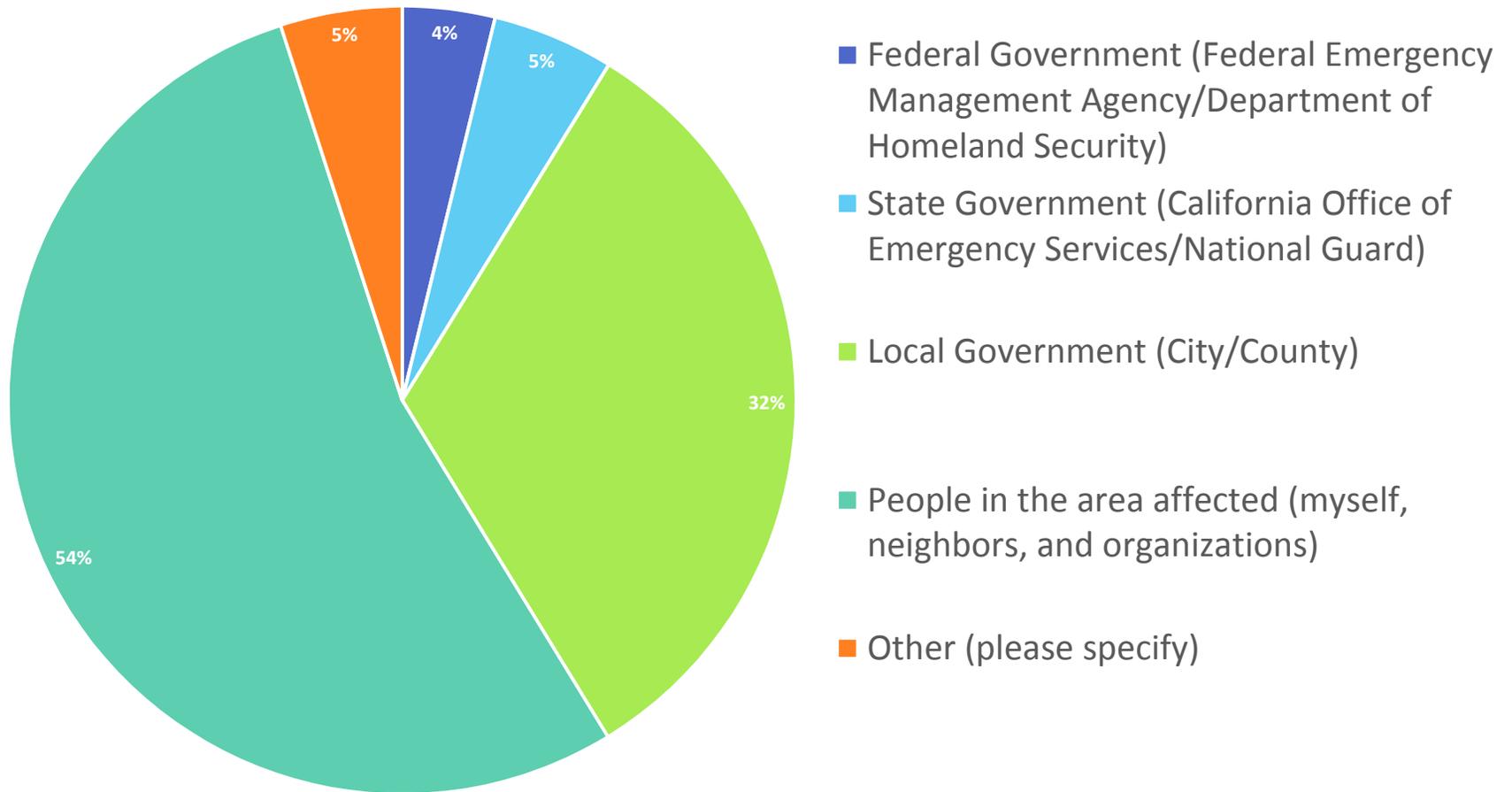
In the following statements, check the box that best describes your opinion.
This information will assess community beliefs on developing hazard mitigation programs and strategies.



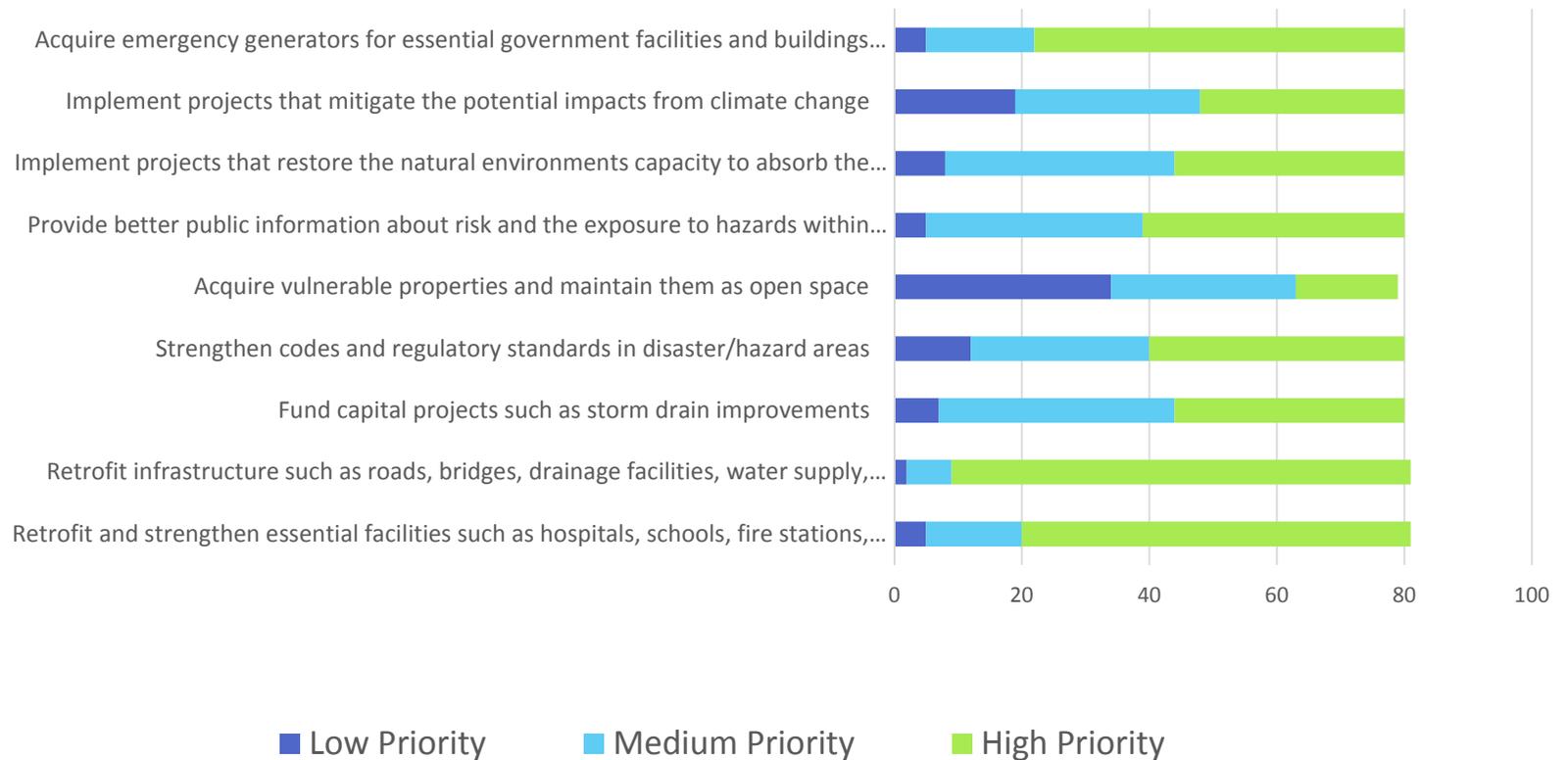
How supportive are you of land use regulations within known high hazard areas aimed at mitigating their impacts (e.g. wildfires, floods, earthquakes)?



Who do you think has the primary responsibility for helping people during the first twelve hours after a strong earthquake or other natural disaster?



What types of projects do you believe the City of Culver City, County, State, or Federal agencies should be doing in order to reduce damage and disruption from natural disasters within Culver City?



Additional Comments

- **Streets need to be cleared** to allow people to go to other cities to find shelter with friends or relatives, police need to prevent looting
- **Storm water drainage systems** should be at peak efficiency and **cleaned out** periodically.
- I would strongly support a local ordinance **requiring every home to be equipped with 64 oz of stored water per resident per day for 5-10 days**. This could prevent looting, home invasions, violence, etc in case of a water emergency which seems inevitable given the drought, the state of the infrastructure and the lack of preparedness for this. How can this idea be quickly brought before the City Council???
- Would like to have **maps** of floodplain, earthquake faults, liquefaction areas etc. easily/widely available for Culver City. Would like to have a way to **easily identify handicapped/elderly** in the event of any disaster- window sign/ sticker etc. to let others/ rescuers know.
- I think it would be a great idea to have an **earthquake day**. Where schools, businesses, and volunteers went through the steps of helping each other in the event of a large scale earth quake. Where to go, what to do without cell phones, etc. etc.
- I put excessive heat but think that is the local consequence of climate change. Concerned about **elderly with excessive heat** and no air conditioning or losing power to air conditioning.
- **Evacuation plan, signage and traffic planning** for and after disasters + special zoning codes closer to schools. **Evacuation walkpath signage** in parks especially outlook and culver park
- **No-fee permits and tax breaks** to seismically retrofit your home.



MITIGATION ACTIONS



MJHMP Goals

- **Protect Life and Property**
 - Implement activities that assist in protecting lives by making homes, businesses, infrastructure, critical facilities, and other property more resistant to losses from hazards.
 - Reduce losses and repetitive damages from chronic hazard events while promoting insurance coverage for catastrophic hazards.
 - Improve hazard assessment information to make recommendations for evaluating new development in high hazard areas and encouraging preventative measures for existing development in areas vulnerable to hazards.
- **Public Awareness**
 - Develop and implement educational outreach programs to increase public awareness of the risks associated with hazards.
 - Provide information on tools, partnership opportunities and funding resources to assist in implementing mitigation activities.

MJHMP Goals

- Natural Systems
 - Balance natural resource management and land use planning with natural hazard mitigation to protect life, property, and the environment.
 - Preserve, rehabilitate and enhance natural systems to mitigate natural hazards.
- Partnerships and Implementation
 - Strengthen communication and coordinate participation among and within public agencies, residents, non-profit organizations, business, and industry to develop a vested interest in implementation.
 - Encourage leadership within public and private sector organizations to prioritize and implement local and regional hazard mitigation activities.

MJHMP Goals

- Emergency Services
 - Establish policy to ensure mitigation projects for critical facilities, services and infrastructure.
 - Strengthen emergency operations by increasing coordination among public agencies, non-profit organizations, business and industry.
 - Where appropriate, coordinate and integrate hazard mitigation activities with emergency operations plans and procedures.

Mitigation Actions Group Discussion

- Identify problems/issues
- What actions can be taken to mitigate problems/issues
- Consider a variety of mitigation activities:
 - Prevention
 - Property protection
 - Public education and awareness
 - Natural resource protection
 - Emergency services
 - Structural projects

STAPLE/E Review and Selection Criteria

Social
<ul style="list-style-type: none">• Is the proposed action socially acceptable to the jurisdiction and surrounding community?• Are there equity issues involved that would mean that one segment of the jurisdiction and/or community is treated unfairly?• Will the action cause social disruption?
Technical
<ul style="list-style-type: none">• Will the proposed action work?• Will it create more problems than it solves?• Does it solve a problem or only a symptom?• Is it the most useful action in light of other jurisdiction goals?
Administrative
<ul style="list-style-type: none">• Can the jurisdiction implement the action?• Is there someone to coordinate and lead the effort?• Is there sufficient funding, staff, and technical support available?• Are there ongoing administrative requirements that need to be met?
Political
<ul style="list-style-type: none">• Is the action politically acceptable?• Is there public support both to implement and to maintain the project?

STAPLE/E Review and Selection Criteria

Legal

- Is the jurisdiction authorized to implement the proposed action?
- Are there legal side effects? Could the activity be construed as a taking?
- Will the jurisdiction be liable for action or lack of action?
- Will the activity be challenged?

Economic

- What are the costs and benefits of this action?
- Do the benefits exceed the costs?
- Are initial, maintenance, and administrative costs taken into account?
- Has funding been secured for the proposed action? If not, what are the potential funding sources (public, nonprofit, and private)?
- How will this action affect the fiscal capability of the jurisdiction?
- What burden will this action place on the tax base or local economy?
- What are the budget and revenue effects of this activity?
- Does the action contribute to other jurisdiction goals?
- What benefits will the action provide?

Environmental

- How will the action affect the environment?
- Will the action need environmental regulatory approvals?
- Will it meet local and state regulatory requirements?
- Are endangered or threatened species likely to be affected?

Mitigation Actions – Examples

■ Multi-Hazard

- City: Develop and maintain an Evacuation Plan for Culver City to effectively distribute evacuation notices, and to ensure that evacuating traffic flows smoothly.
- City and CCUSD: Continue to conduct assessments of agency buildings, facilities, and infrastructure to identify vulnerabilities. Secure funding to retrofit vulnerable properties.

■ Drought

- City: Hold water saving workshops, drought tolerant courses, and smart gardening classes, and educate community residents and businesses about available rebates for water-efficient and water-conserving equipment.
- City and CCUSD: Add compost and mulch to landscaped areas as feasible to reduce water evaporation.

Mitigation Actions

■ Seismic Hazards

- City: Conduct an inventory of seismically vulnerable private buildings, including unreinforced masonry and soft first-story structures, and prioritize retrofits for more vulnerable structures and lower income housing.
- CCUSD: Ensure that all tall furniture in school property is securely fastened to the wall to reduce damage during an earthquake. When purchasing furniture or reconfiguring rooms in school buildings, consider the potential impacts to seismic vulnerability.
- City and CCUSD: Identify critical facilities and key pieces of infrastructure that are at an elevated risk of liquefaction, and conduct retrofits to reduce vulnerability.

■ Wildfire

- City: Identify inadequate access roadways. Develop a program to address inadequacies.

Mitigation Actions

- Severe Weather
 - City: Monitor trees, limbs, and other vegetation near power lines, and promptly inform Southern California Edison of the need for any tree trimming.
 - City: Ensure storm drain systems are cleaned and cleared of debris prior to the storm season.
 - CCUSD: Inspect and clean all roofs, gutters, downspouts, and drains prior to the storm season.
 - CCUSD: Ensure proper supplies (e.g., sandbags, plastic sheeting, rain gear and shovels) are available at all schools if needed.



Next Steps

- Complete Draft MJHMP
 - January 8, 2016
 - Steering Committee Review of MJHMP
 - January 11 – 22, 2016
 - Public Review Draft
 - Mid-February (30-days)
- 



**QUESTIONS/ADDITIONAL
DISCUSSION?**



Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Steering Committee Meeting #4

November 23, 2015

1:00 p.m. – 3:00 p.m.

MEETING SUMMARY

Attendees: Refer to Sign-in Sheet

Presentation/Discussion

- Provided Risk Assessment/Vulnerability overview, including mapping with the Critical Facilities identified for Steering Committee review.
- Discussed results of the community survey and how the input can inform the mitigation actions
- Mitigation Actions
 - Reviewed overall MJHMP Goals
 - Discussed types of mitigation and reviewed the STAPLE/E Review and Selection Criteria to provide a foundation for discussion of potential mitigation actions.
 - Provided examples of mitigation – multi-hazard and hazard-specific
 - Discussion:
 - Drought
 - Harvest water from El Ninyo (residential, businesses, schools)
 - El Ninyo (heavy rain)
 - Cleaning storm drains
 - Consider effects of flooding from drought conditions –
 - Inspection of roofs and drains
 - Windstorm
 - Tree trimming
 - Wildfire
 - Continue to provide wildfire break to protect tower in the park
 - LA College – large area of dry brush due to drought – fire hazard
 - Have mutual aid agreements; different agencies responsible for adjacent areas
 - Improved relationships with agencies – collaboration
 - CCUSD
 - Have been evaluating roofs and flooding on campuses
 - Required to provide gym and cafeteria as shelter if needed
 - Setting up system of communications
 - Generators are available at each school site – issue with storing gas
 - Earthquake-proofing interior needs to occur
 - Purchased radios for schools to communicate with each other
 - Participate in Great Shake Out
 - Clarify emergency routes

- Survey of vulnerable buildings
 - City
 - Have generators – issue with storing gas
 - Seismic retrofitting – need to determine what buildings are needed
 - Potential for a solar study – provide power backup support, instead of generators
 - Use communication systems – Nixle, Reverse 911
 - CERT – drills
 - General
 - Need to focus on being able to maintain for first few hours
 - Education opportunity
 - Utilize other resources – Red Cross – provides training and education
- Next Steps
 - Complete Survey Summary Report for distribution to Steering Committee
 - Complete Draft of Mitigation Measures to review/discuss as part of a Joint Meeting
 - Schedule Joint Meeting with City/CCUSD Liaison Committee and Steering Committee
 - January 12, 2015
 - After Joint Meeting, finalize Draft MJHMP for Steering Committee Review
 - Schedule will be revised to accommodate Joint Meeting

Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

STAPLE/E Criteria

Social

- Is the proposed action socially acceptable to the jurisdiction and surrounding community?
- Are there equity issues involved that would mean that one segment of the jurisdiction and/or community is treated unfairly?
- Will the action cause social disruption?

Technical

- Will the proposed action work?
- Will it create more problems than it solves?
- Does it solve a problem or only a symptom?
- Is it the most useful action in light of other jurisdiction goals?

Administrative

- Can the jurisdiction implement the action?
- Is there someone to coordinate and lead the effort?
- Is there sufficient funding, staff, and technical support available?
- Are there ongoing administrative requirements that need to be met?

Political

- Is the action politically acceptable?
- Is there public support both to implement and to maintain the project?

Legal

- Is the jurisdiction authorized to implement the proposed action?
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Economic

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- Do the benefits exceed the costs?
- Are initial, maintenance, and administrative costs taken into account?
- Has funding been secured for the proposed action? If not, what are the potential funding sources (public, nonprofit, and private)?
- How will this action affect the fiscal capability of the jurisdiction?
- What burden will this action place on the tax base or local economy?
- What are the budget and revenue effects of this activity?

- Does the action contribute to other jurisdiction goals?
- What benefits will the action provide?

Environmental

- How will the action affect the environment?
- Will the action need environmental regulatory approvals?
- Will it meet local and state regulatory requirements?
- Are endangered or threatened species likely to be affected?

Culver City MJHMP Steering Committee Meeting #4 – November 23, 2015



B.2 City and CCUSD Meetings

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Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

Conference Call

July 20, 2015

Participants

City of Culver City: Joe Susca, Senior Management Analyst, MJHMP Project Manager
Christine Parra, Emergency Preparedness Coordinator, Steering Committee Member

Michael Baker International: Starla Barker, Project Manager
Aaron Pfannenstiel, QA/QC Technical Manager

Discussion Items:

Hazard Profiles – The hazard profile ranking conducted as part of Steering Committee Meeting #1, resulted in the identification of 13 hazards (4-high; 5-medium; and 4-low). Further discussion of the hazards identified as having “low” priority determined that the following hazards would not be specifically profiled within the MJHMP:

- Hazardous Materials
- Geologic Hazards (specific to methane gas)
- Dam Failure
- Tsunami

These hazards are typically addressed in other planning documents and City plans in more detail or can be considered as part of other hazards. These hazards will be acknowledged and will be included as part of mitigation actions (such as funding for a Safety Element update), where feasible. It was also determined that disease/pest management, identified as having a medium priority, would not be profiled as a hazard. However, the potential for trees/tree limbs to fall during windstorms will be addressed and further discussion will be provided as to the secondary impact/concern associated with tree disease.

The remaining hazards will be profiled (and combined as appropriate):

- Drought
- Seismic Hazards
- Earthquake Fault Rupture
- Wildfire
- Windstorm
- Liquefaction
- Flood
- Landslide/Mudflow

Community Meeting – As part of Steering Committee Meeting #2 (August 13, 2015), discussion of the Community Workshop will occur to obtain input on the format of the workshop. Participation in the event by members of the Steering Committee will also be discussed. Currently, a hybrid approach has been identified as the preferred format that would include a set start time (7:00 pm) with a presentation providing an overview of the MJHMP (purpose, process, etc.), involvement of the community, and purpose for the evening. An open house format would then commence allowing the community to review the hazard profiles, provide input, and ask questions.

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan School Board Meeting



October 27, 2015



Michael Baker
INTERNATIONAL

Presentation Outline

- What is hazard mitigation and mitigation planning?
- Why are we preparing a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP)?
- What's in the MJHMP?
- Community Outreach
- Next Steps

What is Hazard Mitigation Planning and Mitigation Planning?

What is Hazard Mitigation?

- Sustained actions taken to reduce or eliminate long-term risk to life and property from hazards

What is a Hazard Mitigation Plan?

- Identifies the natural hazards a community faces,
- Assess the vulnerability to the hazards, and
- Identifies specific actions that can be taken to reduce the risk from the hazards.

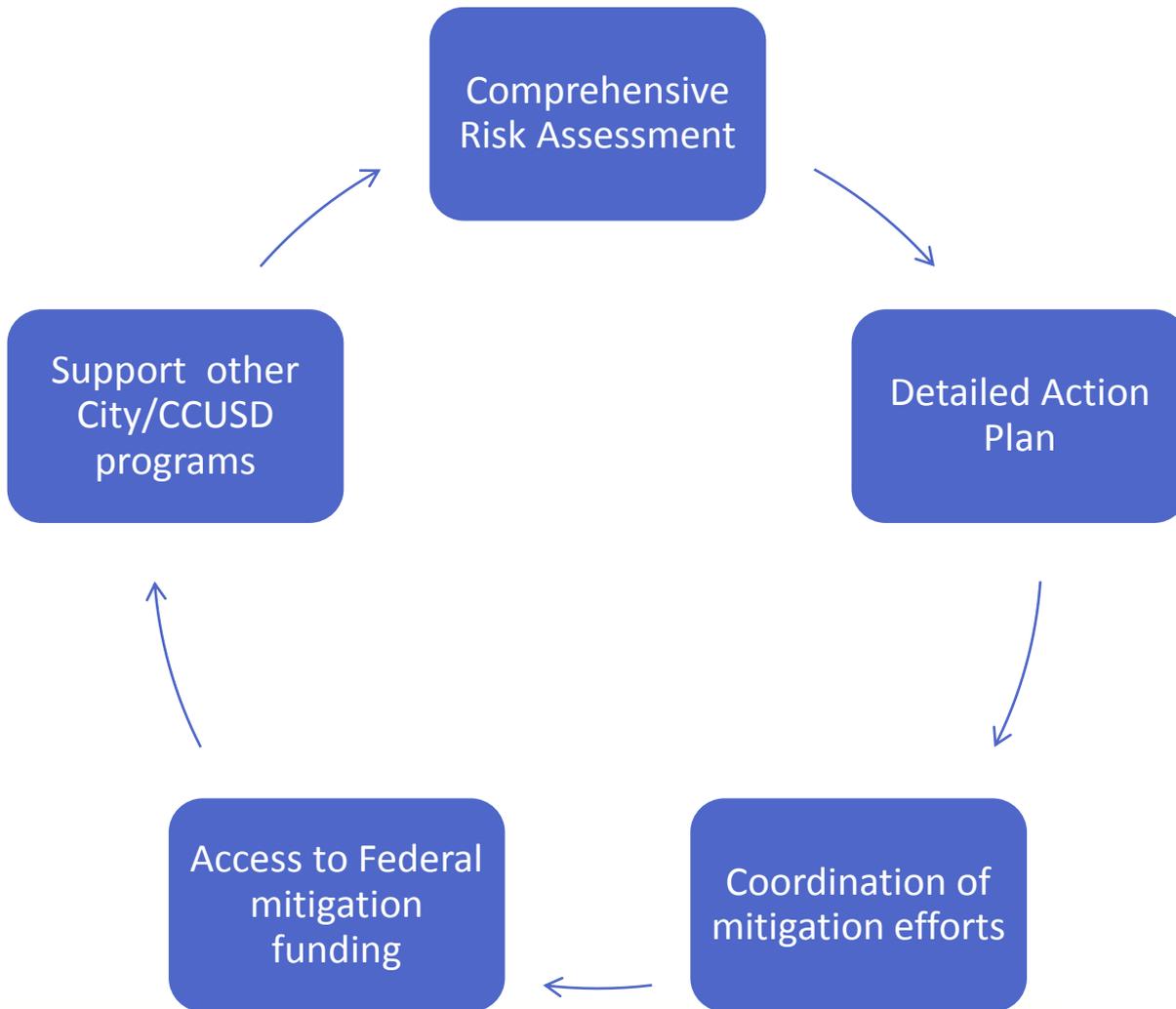
Why are We Preparing a Multi-Jurisdictional Hazard Mitigation Plan?

Why are we preparing a MJHMP?



A Hazard Mitigation Plan demonstrates the jurisdiction's commitment to reducing risks from natural hazards and serves as a guide for decision-makers as they commit resources to minimize the effects of natural hazards.

What the MJHMP Provides

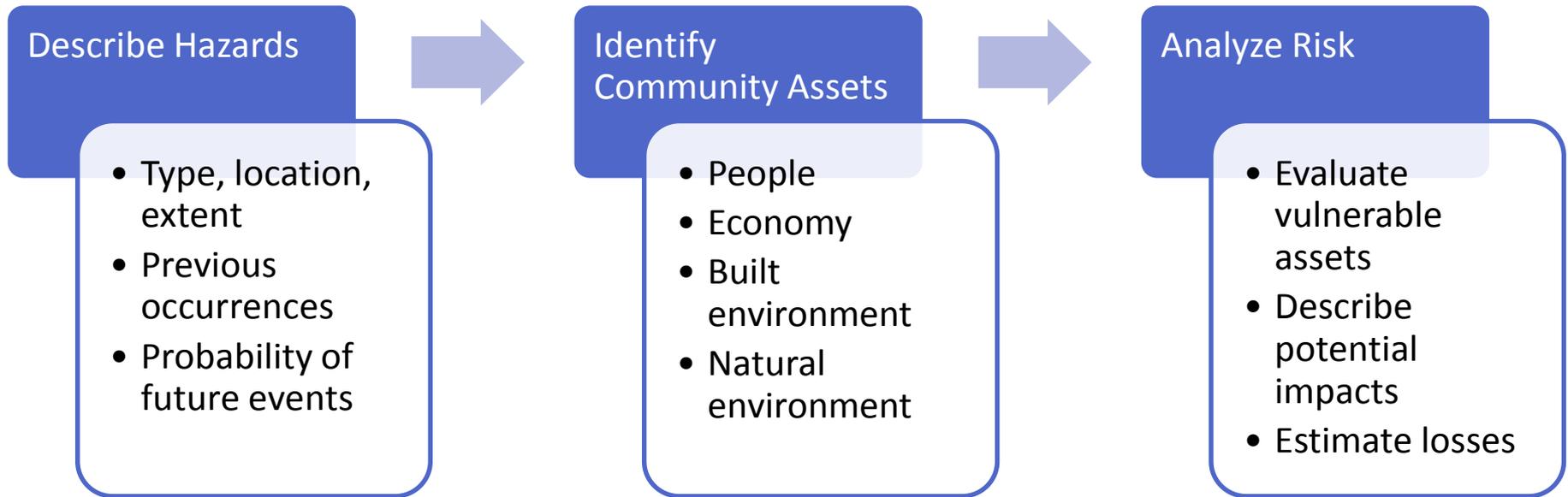


What is in the MJHMP?

MJHMP Planning Process



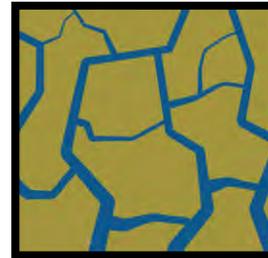
Hazard Identification and Risk Assessment



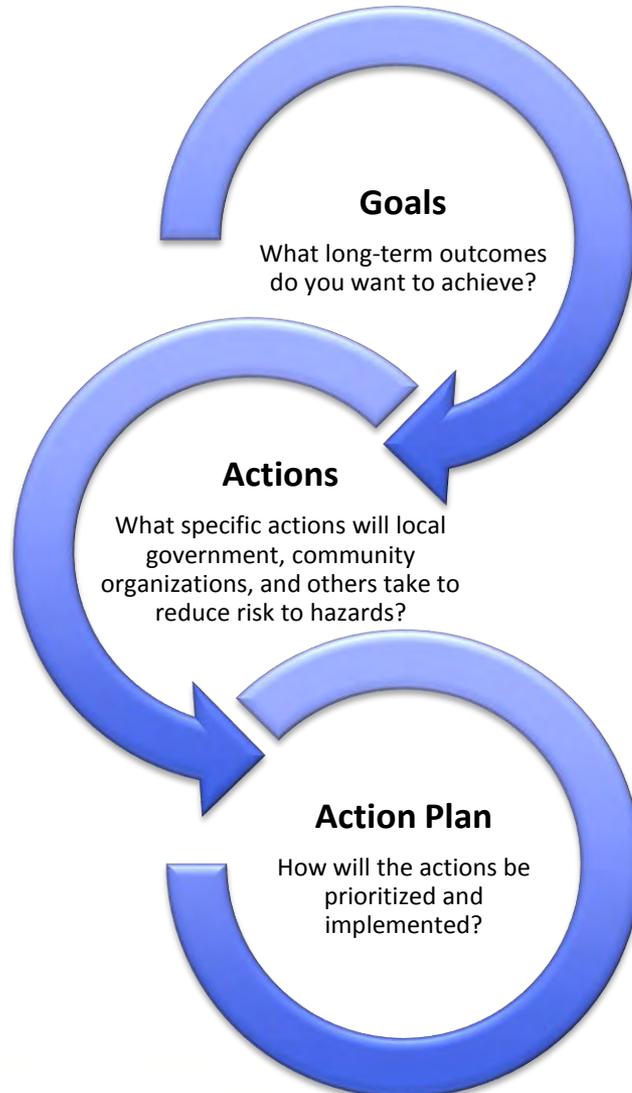
Summarize and Document Risk Assessment

Natural Hazards Being Evaluated

- Drought
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Severe Weather
 - Windstorm
 - Heavy rain (flooding, landslides)
- Flood



Mitigation Strategy



- Evaluate and prioritize goals and mitigation actions to reduce or avoid long-term vulnerabilities associated with each hazard

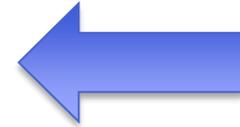
Community Outreach

Next Steps

Next Steps

- Draft MJHMP for Public Review
 - Spring 2016
- Revise Draft MJHMP and submit to Cal OES/FEMA
 - Spring-Summer 2016
- City Council and CCUSD Adoption
 - Summer 2016

Continued Opportunities for
Community Input



On-going website updates and emails

QUESTIONS

CCUSD Contact: Mike Reynolds, Assistant Superintendent
310-842-4220 x4226
mikereynolds@ccusd.org

City Contact: Joe Susca, Public Works Department, Senior Management Analyst
310-253-5636
hazardmitigationplan@culvercity.org

For additional information and updates:
www.culvercity.org/hazardmitigationplan



City Hall
9770 Culver Blvd.
Culver City, CA 90232
(310) 253-5851



Mayor Micheal O'Leary
Vice Mayor Andrew Weissman
Council Member Jim B. Clarke
Council Member Jeffrey Cooper
Council Member Meghan Sahli-Wells

City Council Meeting Agenda

Regular Meeting of the City Council, Culver City Housing Authority Board, and Successor Agency to the Culver City Redevelopment Agency Board

6:00 PM

Monday, November 9, 2015

PUBLIC COMMENT:

At the times provided on the Agenda, the City Council will receive comments from the public on any item of interest to the public (not listed on the agenda) that is within the subject matter jurisdiction of the City Council. The City Council cannot legally take action on any item not appearing on the agenda. Such items may be referred for administrative action or scheduled on a future agenda. If you wish to address the City Council, the City Clerk requests you complete a Speaker's Card and present it to the City Clerk before the agenda item is called. You will be called to the podium when it is your turn to address the City Council. Providing your name and other information requested on the Speaker's Card is voluntary and is requested only to provide a reasonable means to notify persons when their opportunity to address the City Council has arrived. All persons may attend the meeting regardless of whether a person signs, registers, or completes a speaker's card. For specific items listed on the agenda, requests to address the City Council must be made prior to the calling for a vote on that particular item by the presiding officer. Each speaker may address the City Council for up to three minutes (up to four minutes if time is ceded). Persons who are present in the City Council Chambers may cede one minute of time to one other person who is present and wishes to address the City Council by presenting a Speaker's Card to the City Clerk. Public comments on items on the agenda are taken at the time that particular agenda item is considered by the City Council.

AUTHORITY OF PRESIDING OFFICER:

Section 611 of the City Charter provides that during any public meeting, all persons shall have the right to address the City Council, and any City commission, board or committee, subject to reasonable rules of decorum and time limits established by ordinance or the presiding officer. Therefore the presiding officer may, from time to time, establish different time limits than those listed in this Agenda in order to effectively conduct City business.

AVAILABILITY OF AGENDA PACKETS AND CONSERVATION OF RESOURCES:

Copies of the Agenda and a binder that includes a copy of all regular session staff reports and attachments are available on the table in the rear of the Council Chambers. Members of the public may inspect (at no cost) and/or obtain copies (upon payment of the City's current copying fee) of any regular session item by visiting the City Clerk's Office at City Hall. The City also posts this information on its website (www.culvercity.org) as a courtesy. In order to conserve resources, paper copies of joint items (including JOINT CONSENT CALENDAR, JOINT PUBLIC HEARINGS, and JOINT ACTION ITEMS) are provided only with the City Council agenda packet.

CELL PHONES AND OTHER DISTRACTIONS:

Use of cell phones, pagers and other communication devices is prohibited while the meeting is in session. Please turn all devices off or place on silent alert and leave the City Council Chambers to use. During the meeting, please refrain from applause or other actions that may be disruptive to the speakers or the conduct of City business.

MEETING INFORMATION AND ACCOMODATION:

City Council meetings are regularly scheduled for the second and fourth Mondays of every month. City Council Agenda information is available at least 72 hours before each City Council meeting. City Council/Agency Board/Commission meetings can be viewed live in Culver City on Channel 35 by Time Warner subscribers, on Channel 37 by Verizon FIOS subscribers and, for AT&T Uverse subscribers, by going to Channel 99. To view meetings on line please visit <http://www.culvercity.org/webcast>. Additionally, you may access <http://www22.verizon.com/residential/fiostv/channels.htm> and enter your zip code to see the channel listing. Any person needing reasonable accommodation related to disabilities, including assisted listening devices, is welcome to contact the City Clerk's Office at 310-253-5851 or see the City Clerk at the meeting.

NOTE: AT OR ABOUT 11:00 P.M., MEMBERS MAY DETERMINE WHETHER TO CONTINUE WITH DISCUSSION OF REMAINING ITEMS ON THE AGENDA OR TO CARRY SOME/ALL OF THE ITEMS OVER TO A FUTURE MEETING DATE.

CALL TO ORDER & ROLL CALL:

CLOSED SESSION

Public requests to discuss Closed Session Items must be filed with the Clerk before Closed Session convenes.

The City Council shall convene in closed session to consider the following matters:

- CS-1. [15-411](#) HA - CONFERENCE WITH REAL PROPERTY NEGOTIATORS
RE: 4043 IRVING PLACE
HOUSING AUTHORITY NEGOTIATORS: JOHN NACHBAR, EXECUTIVE DIRECTOR; SOL BLUMENFELD, ASSISTANT EXECUTIVE DIRECTOR; TODD TIPTON, ECONOMIC DEVELOPMENT MANAGER; MURRAY KANE, HOUSING AUTHORITY SPECIAL COUNSEL.
OTHER PARTIES NEGOTIATORS: 4043 IRVING PLACE INVESTORS, LLC.
UNDER NEGOTIATION: PRICE, TERMS OF PAYMENT OR BOTH, INCLUDING USE RESTRICTIONS, DEVELOPMENT OBLIGATIONS AND OTHER MONETARY RELATED CONSIDERATIONS. PURSUANT TO GOVERNMENT CODE SECTION 54956.8**

REGULAR SESSION - 7:00 PM

INVOCATION

PLEDGE OF ALLEGIANCE

REPORT ON ACTION TAKEN IN CLOSED SESSION

PRESENTATIONS

- P-1. [15-404](#) PRESENTATION OF CERTIFICATES OF RECOGNITION TO THE PARTICIPANTS IN THE EL MARINO LANGUAGE EXCHANGE PROGRAM.**

-
- P-2. [15-405](#) PRESENTATION OF A PROCLAMATION DESIGNATING NOVEMBER 14-22, 2015 AS NATIONAL HUNGER AND HOMELESSNESS AWARENESS WEEK.
- P-3. [15-406](#) PRESENTATION OF A CERTIFICATE OF RECOGNITION TO FAMILY SELF SUFFICIENCY PROGRAM GRADUATE SAMANTHA JOHNSON.
- P-4. [15-408](#) A PRESENTATION OF A PROCLAMATION IN HONOR OF VETERANS DAY 2015.
- P-5. [15-407](#) A PRESENTATION OF A PROCLAMATION DESIGNATING NOVEMBER 13, 2015 AS WORLD PANCREATIC CANCER DAY.

COMMUNITY ANNOUNCEMENTS BY MEMBERS/INFORMATION ITEMS FROM STAFF

JOINT PUBLIC COMMENT - Items NOT on the Agenda

Note: All requests to address the City Council (and all other bodies in session) on items of interest to the public that are within the subject matter jurisdiction of the City Council (and all other bodies in session) and NOT on the agenda must file a speaker's card with the City Clerk prior to the calling of this item by the presiding officer. This public comment period shall have an aggregate duration of up to 20 minutes for all bodies in session. Each speaker may address the City Council (and all other bodies in session) for up to three minutes. Speakers who have filed a speaker's card requesting to speak but are unable to be accommodated at this time may be accommodated at a second public comment period at the end of the meeting as announced by the presiding officer.

RECEIPT AND FILING OF CORRESPONDENCE

Note: The City Council shall consider a motion to receive and file all written correspondence related to agenda items appearing on this evening's agenda and for all other written documents (including e-mails) on subjects not appearing on the agenda that were received by the City Clerk's Office no later than 4:00 PM on the day of the meeting. Comments received in writing will be distributed to the City Council Members before consideration of an item on the agenda and become part of the official record of the meeting.

CONSENT CALENDAR

Note: Joint Consent and Consent Calendar items are considered to be routine in nature and may be approved by one motion. All requests to address the City Council under these items must be filed with the City Clerk before the Consent Calendar and Joint Consent Calendar are called by the presiding officer.

- C-1. [15-398](#) CC:HA:SA - CASH DISBURSEMENTS FOR OCTOBER 17-OCTOBER 30, 2015.

Attachments: [Check Registers-11.09.15](#)

- C-2. [15-397](#) CC:HA:SA - APPROVAL OF MINUTES FOR THE REGULAR MEETING OF OCTOBER 26, 2015.

Attachments: [CCHASA 10-26-15 Meeting Minutes for Approval](#)

- C-3. [15-319](#) CC - APPROVAL OF AN AGREEMENT WITH SHINE WALK, LLC IN AN AMOUNT NOT-TO-EXCEED \$79,425 FOR THE PERIOD JANUARY 1, 2016 THROUGH JUNE 30, 2017, WITH AN OPTION TO EXTEND THE AGREEMENT FOR AN ADDITIONAL ONE YEAR PERIOD (TO JUNE 30, 2018) FOR THE ADDITIONAL AMOUNT NOT-TO-EXCEED \$53,850, TO PROVIDE CLEANING SERVICES IN THE DOWNTOWN PARKING STRUCTURES AND AT CITY HALL.

- C-4. [15-370](#) CC - FOUR-FIFTHS VOTE REQUIREMENT: (1) APPROVAL OF AMENDMENT TO THE EXISTING PROFESSIONAL SERVICES AGREEMENT WITH BONTERRA PSOMAS IN AN AMOUNT NOT-TO-EXCEED \$141,239 FOR ENVIRONMENTAL CONSULTING SERVICES FOR THE PREPARATION OF THE ENVIRONMENTAL IMPACT REPORT FOR THE INGLEWOOD OIL FIELD SPECIFIC PLAN PROJECT; AND (2) APPROVAL OF A RELATED BUDGET AMENDMENT.

C-5. [15-381](#) CC - (1) ACCEPTANCE OF WORK PERFORMED BY MALIBU PACIFIC TENNIS COURTS, INC.; (2) AUTHORIZATION TO FILE A NOTICE OF COMPLETION; AND, (3) AUTHORIZATION TO RELEASE THE RETENTION PAYMENT IN THE AMOUNT OF \$2,309.15 AFTER THE EXPIRATION OF THE 35-DAY LIEN PERIOD, FOR THE CITYWIDE BICYCLE PARKING PROJECT, PF-001.

C-6. [15-382](#) CC - ADOPTION OF A RESOLUTION APPROVING AN ENCROACHMENT AGREEMENT WITH AT&T FOR FIBER OPTIC TELECOMMUNICATION CABLE IN THE PUBLIC RIGHT-OF-WAY ADJACENT TO 3221 HUTCHISON AVENUE

Attachments: [15-11-09 PW-ENG CITY COUNCIL AT&T 3221 Hutchison En](#)
[15-11-09 PW-ENG CITY COUNCIL AT&T 3221 Hutchison En](#)

C-7. [15-383](#) CC - ADOPTION OF A RESOLUTION APPROVING AN ENCROACHMENT AGREEMENT WITH SUNESYS FOR FIBER OPTIC TELECOMMUNICATION CABLE IN THE PUBLIC RIGHT-OF-WAY ON JEFFERSON BOULEVARD NEAR LEAHY STREET.

Attachments: [15-11-09 PW-ENG CITY COUNCIL SUNESYS Jefferson-Leahy](#)
[15-11-09 PW-ENG CITY COUNCIL SUNESYS Jefferson-Leahy](#)

C-8. [15-392](#) CC - APPROVAL OF AN AGREEMENT WITH RON'S MAINTENANCE, INC. FOR A TERM ENDING ON JUNE 30, 2018 IN AN AMOUNT NOT-TO-EXCEED \$147,228 FOR CITYWIDE STORM DRAIN CATCH BASIN CLEANING AND INSPECTIONS, PZ-497.

C-9. [15-393](#) CC - ADOPTION OF A RESOLUTION APPROVING AN ENCROACHMENT AGREEMENT WITH TIME WARNER CABLE FOR FIBER OPTIC TELECOMMUNICATION CABLE IN THE PUBLIC RIGHT-OF-WAY ADJACENT TO 3828 DELMAS TERRACE

Attachments: [15-11-09 PW-ENG CITY COUNCIL Time Warner 3828 Delmas](#)
[15-11-09 PW-ENG CITY COUNCIL Time Warner 3828 Delmas](#)

C-10. [15-394](#) CC - AUTHORIZATION TO PURCHASE NETWORKING EQUIPMENT AND CISCO SMARTNET MAINTENANCE THROUGH SIGMANET IN AN AMOUNT NOT-TO-EXCEED \$39,567.08.

C-11. [15-401](#) CC - APPROVAL OF AN AGREEMENT WITH DECORATOR'S PLACE CORP. IN AN AGGREGATE AMOUNT NOT-TO-EXCEED \$63,480.00 (\$55,200.00 BASE CONTRACT AND \$8,280.00 IN CHANGE ORDER AUTHORITY) TO REPLACE THE FLOORING ON THE SECOND FLOOR OF THE POLICE DEPARTMENT.

Attachments: [Decorator's Place Corp](#)

C-12 [15-402](#) CC - ADOPTION OF RESOLUTIONS (1) CALLING FOR THE HOLDING OF A GENERAL MUNICIPAL ELECTION TO BE HELD ON TUESDAY, APRIL 12, 2016 FOR THE ELECTION OF CERTAIN OFFICERS AS REQUIRED BY THE CITY CHARTER OF THE CITY OF CULVER CITY; AND (2) REQUESTING THE BOARD OF SUPERVISORS OF THE COUNTY OF LOS ANGELES TO RENDER SPECIFIED SERVICES TO THE CITY RELATED TO THE CONDUCT OF SAID ELECTION.

Attachments: [RESO - Calling the General Municipal Election - April 12 2016.pdf](#)
[RESO - Requesting Election Services from the County.pdf](#)

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- C-13 [15-400](#) CC - APPROVAL OF PROFESSIONAL SERVICES AGREEMENTS WITH: (1) TURBO DATA SYSTEMS, INC. FOR A TERM ENDING JUNE 30, 2020 IN AN AMOUNT NOT-TO-EXCEED \$276,100 (\$251,000 BASE CONTRACT AND \$25,100 IN CHANGE ORDER AUTHORITY) TO PROVIDE A CLOUD-BASED RESIDENTIAL PERMIT PARKING PROGRAM MANAGEMENT SYSTEM; AND (2) TANNERY CREEK SYSTEMS FOR A TERM ENDING JUNE 30, 2020 IN AND AMOUNT NOT-TO-EXCEED \$268,400 (\$244,000 BASE CONTRACT AND \$24,400 IN CHANGE ORDER AUTHORITY) TO PROVIDE AN ELECTRONIC CHALKING SYSTEM FOR PARKING ENFORCEMENT VEHICLES FOR AUTOMATED PARKING ENFORCEMENT.
- C-14 [15-409](#) CC - ADOPTION OF A RESOLUTION IMMEDIATELY WITHDRAWING THE CITY FROM THE LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY PURSUANT TO SECTION 5.01 OF THE LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY JOINT POWERS AGREEMENT.

Attachments: [RESO - Withdrawing from LA-RICS.pdf](#)

ORDER OF THE AGENDA

Note: The City Council may consider reordering the sequence in which items appearing on this evening's agenda will be considered by the City Council.

ACTION ITEMS

- A-1. [15-399](#) CC - FOUR-FIFTHS VOTE REQUIREMENT: 1) RECEIVE AND FILE THE CATEGORICAL EXEMPTION REPORT PREPARED FOR THE CITY OF CULVER CITY MUNICIPAL FIBER NETWORK PROJECT, AND DETERMINE THAT THE PROJECT IS CATEGORICALLY EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) PURSUANT TO CEQA GUIDELINES; 2) AUTHORIZE THE CHIEF FINANCIAL OFFICER TO ESTABLISH THE MUNICIPAL FIBER NETWORK ENTERPRISE FUND; 3) AUTHORIZE A CONSTRUCTION LOAN (IN A NOT-TO-EXCEED AMOUNT OF \$10,000,000) AND A WORKING CAPITAL LOAN (IN A NOT-TO-EXCEED AMOUNT OF \$1,500,000) FROM THE GENERAL FUND TO THE MUNICIPAL FIBER NETWORK ENTERPRISE FUND; 4) APPROVE A RELATED BUDGET AMENDMENT APPROPRIATING \$10,265,000 FROM THE GENERAL FUND; 5) APPROVE A CONSULTANT AGREEMENT WITH MOX NETWORKS, LLC TO PROVIDE CONSULTING SERVICES FOR THE DESIGN AND DEVELOPMENT OF THE MUNICIPAL FIBER NETWORK; AND, 6) AUTHORIZE THE CITY MANAGER TO INITIATE AND CONCLUDE NEGOTIATIONS AND EXECUTE E RELATED ADDITIONAL AGREEMENTS FOR THE OPERATION, MAINTENANCE, AND ONGOING PLANNING AND BUSINESS DEVELOPMENT OF THE MUNICIPAL FIBER NETWORK PROJECT.

Attachments: [City Council Staff Report Item A-2](#)
[Categorical Exemption Report for the Municipal Fiber Network \(Report Draft Consultant Agreement for Services Relating to the City of Culver Letter of Support from NantWorks](#)

A-2. [15-349](#) CC - CONDUCT A PUBLIC MEETING PURSUANT TO SECTION 54954.6 OF THE GOVERNMENT CODE REGARDING THE PROPOSED NEW ASSESSMENT RELATED TO THE ESTABLISHMENT OF THE CULVER CITY ARTS DISTRICT BUSINESS IMPROVEMENT DISTRICT.

Attachments: [ATT 1 Resolution 2015-R082.pdf](#)
[ATT 2 Official Notice of Public Meeting and Public Hearing.pdf](#)

A-3. [15-324](#) CC - (1) REVIEW AND APPROVAL OF THE DOWNTOWN CULVER CITY BUSINESS IMPROVEMENT DISTRICT ADVISORY BOARD'S ANNUAL WORK PROGRAM AND BUDGET, AND (2) ADOPTION OF A RESOLUTION OF INTENTION TO CONDUCT A PUBLIC HEARING ON DECEMBER 14, 2015 TO CONSIDER LEVY OF THE DOWNTOWN BUSINESS IMPROVEMENT DISTRICT ASSESSMENT FOR 2016.

Attachments: [ATT No. 1 BID Renewal.pdf](#)
[ATT No. 2 BID Renewal Notes.pdf](#)

A-4. [15-380](#) CC - RECEIVE AND FILE A PROGRESS REPORT PRESENTED BY MICHAEL BAKER INTERNATIONAL ON THE MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN FOR THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT.

PUBLIC COMMENT - ITEMS NOT ON THE AGENDA (CONTINUED)

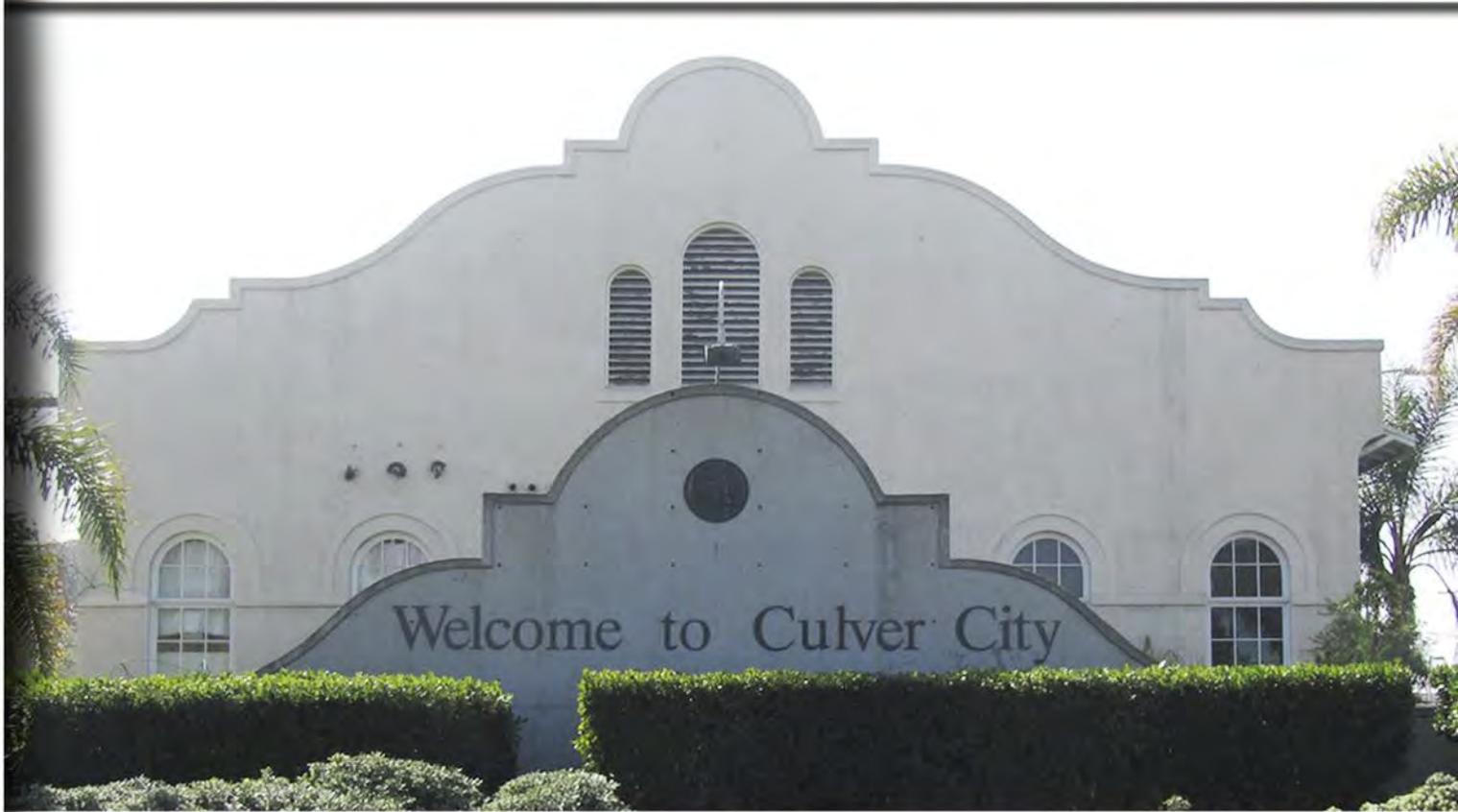
ITEMS FROM MEMBERS

ADJOURN

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan City Council Meeting



November 9, 2015



Michael Baker
INTERNATIONAL

Presentation Outline

- What is hazard mitigation and mitigation planning?
- Why are we preparing a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP)?
- What's in the MJHMP?
- Community Outreach
- Next Steps

What is Hazard Mitigation Planning and Mitigation Planning?

What is Hazard Mitigation?

- Sustained actions taken to reduce or eliminate long-term risk to life and property from hazards

What is a Hazard Mitigation Plan?

- Identifies the natural hazards a community faces,
- Assess the vulnerability to the hazards, and
- Identifies specific actions that can be taken to reduce the risk from the hazards.

Why are We Preparing a Multi-Jurisdictional Hazard Mitigation Plan?

Why are we preparing a MJHMP?

- To reduce losses from natural hazards
- To make our community more “disaster resistant”
 - Speed disaster recovery and redevelopment
- Reduce burden on local governments and tax payers
- Maintain eligibility for federal funds for pre-disaster mitigation planning and projects while ensuring funds are available for post-disaster recovery projects.

A Hazard Mitigation Plan demonstrates the jurisdiction’s commitment to reducing risks from natural hazards and serves as a guide for decision-makers as they commit resources to minimize the effects of natural hazards.

What the MJHMP Provides

- A comprehensive assessment of risk to support proposed mitigation strategies
- Detailed action plan the City/CCUSD will implement to reduce risk to natural hazards
- Access to Federal mitigation funding
- Support of other City/CCUSD programs and initiatives
- Coordination of mitigation efforts

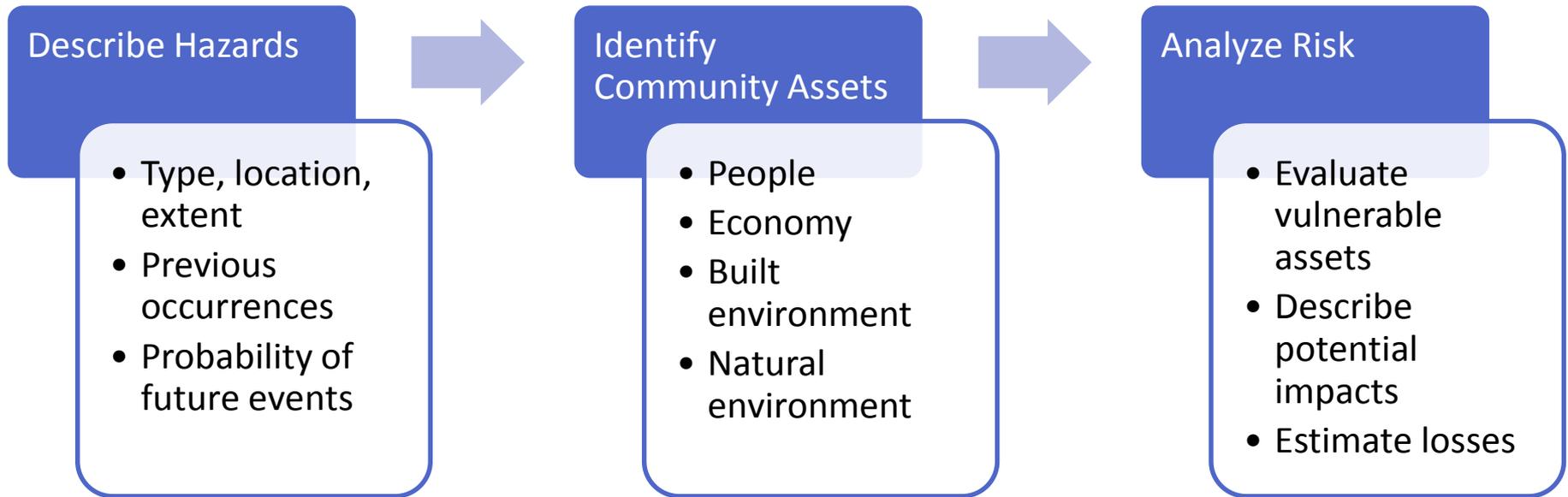


What is in the MJHMP?

MJHMP Planning Process



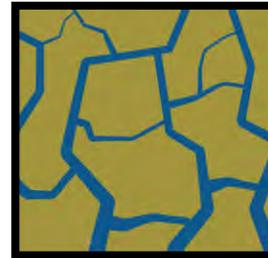
Hazard Identification and Risk Assessment



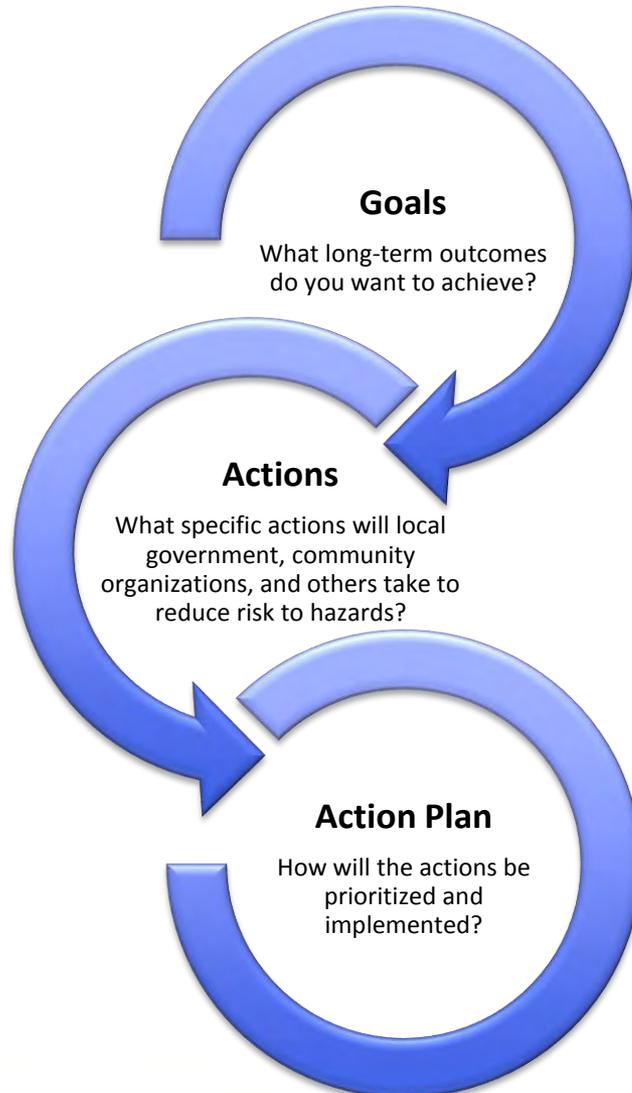
Summarize and Document Risk Assessment

Natural Hazards Being Evaluated

- Drought
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Severe Weather
 - Windstorm
 - Heavy rain (flooding, landslides)
- Flood



Mitigation Strategy



- Evaluate and prioritize goals and mitigation actions to reduce or avoid long-term vulnerabilities associated with each hazard

Mitigation Examples

■ Local plans and regulations

- General Plan
- Zoning ordinances
- Subdivision regulations
- Building codes
- Capital improvement programs



■ Structure and infrastructure projects

- Acquisition, relocation, elevation of flood-prone structures
- Levees and floodwalls
- Seismic retrofitting
- Strengthening critical facilities
- Burying utility lines
- Stormwater diversion, retention, or detention



Mitigation Examples

■ Natural Systems Protection

- Floodplain protection
- Wetlands preservation
- Coastal or riverine setbacks
- Sediment and erosion control
- Forest and vegetative management



■ Education and Awareness Programs

- Risk communication
- Websites – information and maps
- Training courses
- Community outreach projects
- Presentation/education materials to school groups and organizations



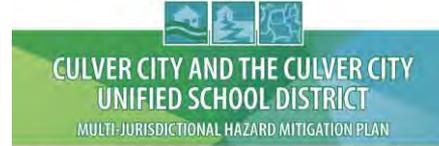
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Community Outreach

Community Outreach

- Webpage
- Email notifications
- Culver Current
- Community Survey
 - August – October
 - 80 responses
- Fiesta La Ballona
- Community Workshop
 - September 24, 2015
- CCUSD School Board Meeting
 - October 27, 2015



The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MHMP). The MHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

What is a Hazard Mitigation Plan?
A Hazard Mitigation Plan is a framework that guides our community in making decisions and developing policies to reduce or eliminate risk to life and property. The plan identifies the types of hazards that threaten our community, evaluates our vulnerability to those threats, and outlines a strategy to reduce or eliminate the risk posed by those threats to break the cycle of repeated destruction by natural hazard events.

Why is the plan important?
The Federal Disaster Mitigation Act of 2000 (DMA 2000) requires that a community have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of these funds can be critical to implementation of identified hazard mitigation programs.

What goes into a Hazard Mitigation Plan?
A hazard mitigation plan assesses the community's risks and vulnerabilities to natural hazard events such as earthquakes, flooding, and wildfire. The plan includes a set of goals related to the overall goal of hazard mitigation planning and mitigation measures that will serve to advance the plan goals.

How can the public become involved in the Hazard Mitigation planning process?
Public participation in the process is important because it helps raise awareness of the hazards we face in Culver City and the actions needed to mitigate those hazards. By participating in the process you will be taking time to consider the hazards in our community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take. The MHMP Steering Committee will consider all input from the public and integrate it into the plan where appropriate. Opportunities for the community to provide input, ask questions, and review comment on draft documents will be provided throughout the planning process. Your comments, questions, ideas, and concerns will have a significant role in the plan's preparation.

- **Take this quick survey.**
This survey will help the MHMP Steering Committee better understand the community's concerns about natural hazards, and to identify policies, programs and projects that can help lessen the impact of future hazard events. Completing the survey provides you the opportunity to share your opinions and participate in the mitigation planning process.

- **Community Workshop.**
A community workshop/learning event was held on Thursday, September 24, 2015 at the Culver City Senior Center to provide an overview of the MHMP; why we need it, and what is required in the plan. Participants were able to ask questions, offer comments and provide input on potential mitigation actions to reduce the impact of natural hazards on the community.

- **Community Workshop Presentation**

Contact Us.
Comments and questions may be submitted to hazardmitigationplans@culvercity.org or you may contact Joe Susca, Public Works Department, Senior Management Analyst at 310-253-5636.

Email Updates.
If you would like to receive additional information and notifications during the planning process, please click on the following link and enter your e-mail address on the following link:
https://public.govdelivery.com/subscribers/CULVER_CITY/subscribe?viewTopic_id=CULVER_85



Draft Documents
Once available, draft documents will be posted here for review and comment.

SAVE THE DATE

THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MHMP). The MHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

TAKE THE SURVEY!
Visit the City's website at www.culvercity.org/hazardmitigationplan to complete a community survey regarding natural hazards or to obtain more information about the MHMP planning process, for opportunities to participate and to view draft documents.

www.culvercity.org/hazardmitigationplan



New CAASPP Scores to Serve as A Benchmark for Student Achievement

CCUSD is eager to get an initial look at the results of the new online assessments administered to Culver City students last spring to help gauge the District's progress in raising new, more rigorous academic standards.

These tests will serve as an academic check-up. Like most assessments that report card grades, there are a range of scores possible – one way to provide parents and teachers with information about their students' work toward the high goals we have set for our students.

As a district, the scores assist us in evaluating our strengths and gaps and are used as just one gauge of determining academic progress to take to improve student achievement. Our students and schools are still adjusting to these new standards and the tests that go with them. Right now, no matter in what grade should be encouraged by test results. The new tests are administered from the old CCUSD website, so please pay attention between the scores and the new. The first of the scores this year as a starting point a baseline for the progress we expect students to make over time.

Our students and schools are still adjusting to these new standards and the tests that go with them. Right now, no matter in what grade should be encouraged by test results. The new tests are administered from the old CCUSD website, so please pay attention between the scores and the new. The first of the scores this year as a starting point a baseline for the progress we expect students to make over time.

California Assessment of Student Performance and Progress (CAASPP) includes a number of assessments, but the most widely given are the Smarter Balanced Summative Assessments, which evaluate student progress on the California standards in mathematics and English language arts/reading, often referred to as the Common Core. CAASPP results are available to parents via State, County, and District averages for grades 2-8 and 11. We await the arrival of individual student results and will provide results to parents as soon as they arrive. Please visit our CCUSD CAMSAR website, information web page for more information on the new test and understanding your student's score report.

Overall, CCUSD scored 21% higher English Language Arts than the County Average. (Reading readiness and reading fluency) and 17% higher in mathematics. For more information, please click here for our EBAC brochure.

City of Culver City and CCUSD Partner on Hazard Mitigation Plan

The City of Culver City and the Culver City Unified School District have received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MHMP). The MHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

What is a Hazard Mitigation Plan?
A Hazard Mitigation Plan is a framework that guides our community in making decisions and developing policies to reduce or eliminate risk to life and property. The plan identifies the types of hazards that threaten our community, evaluates our vulnerability to those threats, and outlines a strategy to reduce or eliminate the risk posed by those threats to break the cycle of repeated destruction by natural hazard events.

Why is the plan important?
The Federal Disaster Mitigation Act of 2000 (DMA 2000) requires that a community have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of these funds can be critical to implementation of identified hazard mitigation programs.

What goes into a Hazard Mitigation Plan?
A hazard mitigation plan assesses the community's risks and vulnerabilities to natural hazard events such as earthquakes, flooding, and wildfire. The plan includes a set of goals related to the overall goal of hazard mitigation planning and mitigation measures that will serve to advance the plan goals.

How can the public become involved in the Hazard Mitigation planning process?
Public participation in the process is important because it helps raise awareness of the hazards we face in Culver City and the actions needed to mitigate those hazards. By participating in the process you will be taking time to consider the hazards in our community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take. The MHMP Steering Committee will consider all input from the public and integrate it into the plan where appropriate. Opportunities for the community to provide input, ask questions, and review comment on draft documents will be provided throughout the planning process. Your comments, questions, ideas, and concerns will have a significant role in the plan's preparation.

Complete a short survey at the link below.
This survey will help the MHMP Steering Committee better understand the community's concerns about natural hazards and to identify policies, programs and projects that can help lessen the impact of future hazard events. Completing the survey provides you the opportunity to share your opinions and participate in the mitigation planning process.
<https://www.surveymonkey.com/CulverCity/HazardMitigationPlan>

Attend the Community Workshop/Learning Event.
A community workshop/learning event was held on Thursday, September 24, 2015 at the Culver City Senior Center located at 4055 Overland Avenue in Culver City. This will provide you with an opportunity to learn more about the MHMP, review the progress achieved to date to this point, share your opinions and concerns regarding natural hazards. We questions and help to advance the plan.

Contact Us.
Comments and questions may be submitted to hazardmitigationplans@culvercity.org or you may contact Joe Susca, Public Works Department, Senior Management Analyst, City of Culver City at 310-253-5636.

CHS Theater Students Learn "Object Lesson"



Culver City High School teacher Jill Harris took her theater class to the Kirk Douglas Theater for a performance of the Object Lesson on September 21. Students were highly engaged in the performance that featured scenes set in the celling while actor-Historian-inventor Geoff Spence had the audience raving around the room and participating in the performance.

The Kirk Douglas Theater was transformed into an elaborate facility of gargantuan proportions. CHS students and other high school students from surrounding districts were free to roam and peek through the curtain in the intricate theatrical installation that inspired an extraordinary evening of poetic, shocking, haunting, thrilling, funny, gripping, moving, winning, trading, selling, feeling, mourning, collecting, celebrating, sharing, packing up, leaving an, faded under a month of things.

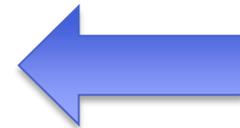
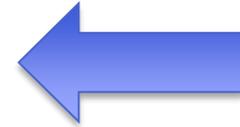
Students dug deep, embraced and explored the Object Lesson when it premiered by the production company and CCUSD at premier, Culver Theater Group is a meditation on the stuff we cling to and the way we leave behind.

Next Steps

Next Steps

- Draft MJHMP for Public Review
 - February 2016
- Revise Draft MJHMP and submit to Cal OES/FEMA
 - Spring-Summer 2016
- City Council and CCUSD Adoption
 - Summer 2016

Continued Opportunities for
Community Input



On-going website updates and emails

QUESTIONS



Staff Report Details (With Text)

File #: 15-380 **Version:** 2 **Name:** Hazard Mitigation Plan Presentation
Type: Minute Order **Status:** Action Item
File created: 10/28/2015 **In control:** City Council Meeting Agenda
On agenda: 11/9/2015 **Final action:**
Title: CC - Receive and File a Progress Report Presented by Michael Baker International on the Multi-Jurisdictional Hazard Mitigation Plan for the City of Culver City and the Culver City Unified School District.

Sponsors:

Indexes:

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
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CC - Receive and File a Progress Report Presented by Michael Baker International on the Multi-Jurisdictional Hazard Mitigation Plan for the City of Culver City and the Culver City Unified School District.

Contact Person/Dept: Joe Susca/Public Works
Phone Number: (310) 253-5636

Fiscal Impact: Yes No **General Fund:** Yes No

Public Hearing: **Action Item:** **Attachments:** Yes No

Commission Action Required: Yes No **Date:** **Commission Name:**

Public Notification: (E-Mail) Meetings and Agendas - City Council (11/05/15)

Department Approval: Charles D. Herbertson, Public Works Director/City Engineer (10/30/15)

RECOMMENDATION

Staff recommends the City Council receive and file a presentation by Michael Baker International (MBI) related to the Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) currently being prepared for the City of Culver City and the Culver City Unified School District in accordance with state and federal law.

BACKGROUND

The National Disaster Mitigation Act of 2000 established requirements for programs and projects to minimize the loss of life, property, and the total cost of natural disasters. The Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Program (PDMP) provide grants to states and local governments to implement long-term hazard mitigation measures prior to and after major disaster declarations. The purpose of the HMGP and PDMP is to reduce the loss of life and property due to natural disasters and to enable mitigation measures to be implemented prior to and during the immediate recovery from a disaster.

To be eligible to receive funding for Hazard Mitigation and Pre-Disaster Mitigation projects, the City is required to have a California Office of Emergency Services (OES) and Federal Emergency Management Agency (FEMA) approved MJHMP in place.

In July 2014, the City, in partnership with the Culver City Unified School District (CCUSD), applied for funding from the HMGP to hire a consulting firm to develop a joint MJHMP. In December 2014, the City received notification that the grant was approved, and on March 23, 2015, the City Council approved a \$100,430 agreement with MBI to prepare the MJHMP for the City/CCUSD.

Hazard Mitigation and the MJHMP

Hazard mitigation is sustained action taken to reduce or eliminate the risk to life, property, and the environment from natural and man-made hazards. Hazard mitigation planning is a process in which hazards are identified and profiled, people and facilities at risk are assessed for threat and vulnerability, and then mitigation actions are developed. The result of the process is an integrated and coordinated effort to mitigate hazards. The expected outcome of all actions of the City/CCUSD MJHMP is to lessen the impact of damage caused by natural hazards to life, the economy, and infrastructure, and improve the ability of the community to function after experiencing a hazardous event. The purpose of the MJHMP is to document these actions and determine priorities and implementation efforts.

The MJHMP is being developed to meet requirements set forth by OES/FEMA and in order for the City/CCUSD to be eligible to receive funding and technical assistance from state and federal hazard mitigation programs. OES/FEMA requires the MJHMP to be updated every five years.

DISCUSSION

Community Outreach:

Public outreach is a required component of the MJHMP. The MJHMP public outreach strategy utilizes the City's website, e-mail distribution lists, Nixle, bi-weekly updates to local media, and postcards to engage the public throughout the MJHMP planning process. The following outreach efforts were undertaken by the City:

- Community Survey. A survey was distributed to the City's e-mail distribution lists, at community outreach events and made available on the City's MJHMP website (www.culvercity.org/hazardmitigationplan <<http://www.culvercity.org/hazardmitigationplan>>) to obtain community input about various safety topics associated with the MJHMP.

- Fiesta La Ballona - August 28-30, 2015. As part of the Fiesta La Ballona celebration, the City sponsored a booth to publicize various City programs, including development of the MJHMP. City and MBI staff distributed a postcard at the booth that included a link to complete the community survey along with an invitation to attend an upcoming MJHMP community workshop. Visitors to the booth were invited to sign-up for email updates for future events and information and ask questions or provide comments.
- Community Workshop - September 24, 2015. A Community Workshop and Learning Event was held at the Senior Center to discuss the MJHMP and to understand the community's perspective and personal experience with natural hazards that affect the City/CCUSD. The survey was also made available for completion by those in attendance.

Steering Committee

A MJHMP Steering Committee has been formed that is comprised of 18 staff members from the City/CCUSD, the American Red Cross, and the cities of West Hollywood and Santa Monica. With MBI's guidance and input, the MJHMP Steering Committee has met to identify natural hazards and to assess their risk. By the end of this year, the MJHMP Steering Committee and MBI will develop mitigation actions to reduce their impacts to the community.

MBI's presentation this evening will include a description of the components that comprise the MJHMP, describe its planning process, list the natural hazards that are faced by the City/CCUSD, and offer examples of mitigation actions that may be taken to minimize their impacts.

A draft of the MJHMP will be completed in January 2016 and be posted on the City's website for review and comment by the community prior to presenting a final draft to the City Council and CCUSD Board for consideration in the spring of 2016.

FISCAL ANALYSIS

There is no additional financial impact associated with receiving MBI's presentation.

ATTACHMENTS

None

RECOMMENDED MOTIONS

That the City Council:

Receive and file a presentation by MBI on their progress to develop the City/CCUSD's Multi-Jurisdictional Hazard Mitigation Plan.

NOTES:



MEMBERS

Meghan Sahli-Wells, Council Member
Jim B. Clarke, Council Member
Sue Robins, Member - Board of Education
Steven Levin, Member – Board of Education

STAFF

David LaRose, Superintendent
John M. Nachbar, City Manager

AGENDA

Special Meeting

City of Culver City/Culver City Unified School District Liaison Committee

Tuesday, January 12, 2016 – 4:00 PM
Dan Patacchia Room, City Hall
9770 Culver Blvd.
Culver City, CA 90232

CALL TO ORDER– Council Member Sahli-Wells

PUBLIC COMMENT

This public comment period shall have an aggregate duration of up to 20 minutes for all bodies in session. Each speaker may address the Committee (and all other bodies in session) for up to three minutes.

CONSENT CALENDAR

Consent Calendar items are considered to be routine in nature and may be approved by one motion. All requests to address the Committee under these items must be filed with the Secretary before the Consent Calendar is called by the presiding officer.

- C-1. Approval of Minutes for the Meeting of August 25, 2015. **Recommended motion: Approve minutes as presented.**

ACTION ITEMS

The Committee is proposed to have a discussion regarding the items listed in this portion of the Agenda. The discussion may result in the Committee directing staff to provide additional information for further discussion by the Committee at a later date

and/or the Committee voting to recommend action by the full City Council and Board of Education.

A-1. The Committee Members will have a general discussion of items of mutual interest to the City and the Culver City Unified School District. Should the Committee determine that follow-up action is needed on any item discussed at this meeting, it will be placed on a future agenda. The following items are scheduled to be discussed:

A. New Discussion Items

1. In Conjunction with the Steering Committee formed to Participate in Preparation of a Multi-Jurisdictional Hazard Mitigation Plan, Review and Prioritize the List of Proposed Measures to Mitigate the Impacts of Natural Hazards Prepared by Michael Baker International on Behalf of the City/CCUSD
2. Plunge and CCUSD Concepts
3. Culver City Compact
4. Responsibility for Organizing and Leading Future Liaison Committee meetings.
5. Overland Outgassing.
6. Curfew for Minors

B. Updates on Past Agenda Items (As Applicable)

1. Parking Updates
2. Joint Bond Projects
3. Charitable Parking Meters

C. Adjournment Date

ADJOURN

Accommodation: Any person needing reasonable accommodation related to disabilities, including assisted listening devices, is welcome to contact the City Clerk's Office at 310-253-5851 or see the City Clerk at the meeting.

Compliance with Government Code Section 54957.5: Any writing determined to be a public record under subdivision 54957.5(a), which relates to an agenda item for an open session of a regular meeting of the legislative body of a local agency that was distributed less than 72 hours prior to that meeting, shall be made available for public inspection at the time the writing is distributed to all, or a majority of all, of the members of the legislative body. Such documents are available at the Office of the City Clerk, City of Culver City, City Hall, 9770 Culver Boulevard, Culver City, CA 90232, and may be inspected by members of the Public during normal business hours. Such documents may also be made available on the City's Website: www.culvercity.org.



MEMBERS

Meghan Sahli-Wells, Mayor
Jim B. Clarke, Councilmember
Sue Robins, Member - Board of Education
Steven Levin, Member – Board of Education

STAFF

David LaRose, Superintendent
John M. Nachbar, City Manager

THESE MINUTES ARE NOT OFFICIAL UNTIL APPROVED BY THE COMMITTEE

Special City Council/CCUSD Liaison Committee Meeting
August 25, 2015 (4:00 P.M. – Patacchia Room)

CALL TO ORDER AND ROLL CALL

Chair Sahli-Wells called the meeting to order at 4:00 P.M. All Members were present.

Chair Sahli-Wells discussed the annual creek pre clean-up on September 19.

Charles Herbertson, Director of Public Works, announced that part of Jefferson Boulevard near the Scenic Overlook would be included in the clean-up.

Discussion ensued between staff and Committee Members regarding the involvement of Heal the Bay; the bike path entrances to the Creek; and opportunities in the City to help keep the Creek clean.

PUBLIC COMMENT

Chair Sahli-Wells invited public comment:

The following member of the audience addressed the Committee:

Paul Ehrlich presented photographs; discussed Safe Schools; visibility; and he wanted to see someone inspect all the schools to ensure that they are safe.

Discussion ensued between staff and Committee Members regarding prioritizing the sidewalks around schools; support for the suggestion for an annual inspection around school sites; having the security team and school resource officers be vigilant for safety issues; involving the PTA in the process; and spreading the word about the Go Request app to share concerns with the City.

CONSENT CALENDAR

Item C-1

Meeting Minutes

THE COMMITTEE APPROVED MINUTES FOR THE REGULAR MEETING OF JUNE 8, 2015 WITH MEMBER LEVIN ABSTAINING DUE TO HIS ABSENCE FROM THAT MEETING.

ACTION ITEMS

A. Action Item List Updates

1. Big Brothers/Big Sisters Program

Discussion ensued between Committee Members regarding expansion; the need for additional Big Brothers and Sisters at La Ballona; help with marketing and communication; scheduling; time commitment; and outreach to City staff.

2. Potential School Parking Opportunities

Discussion ensued between staff and Committee Members regarding parking at the church at Prospect and Washington; communication; logistics; a scheduled walk-through at the site; exploring short-term options on Washington; access points; metering; and procedures.

3. Charitable Parking Meter Installation

Member Levin reported a scheduled meeting to explore options.

B. Updates on Past Agenda Items (As Applicable)

1. Partnership Opportunities

Discussion ensued between Committee Members regarding non-profit organizations in the City; opportunities for partnership; compiling information; valet parking around the Culver Hotel; other businesses in the vicinity; accommodating additional cars; and additional parking demands once Parcel B breaks ground.

2. Use of Mike Balkman Council Chambers for All CCUSD Board Meetings

Member Sahli-Wells reported that the Cultural Affairs Commission had agreed to change their meeting time in order to accommodate the School Board noting that the City Council would need to approve the change at the next meeting, and she encouraged interested parties to attend.

Discussion ensued between staff and Committee Members regarding the ability of the School Board to use the voting system; the Granicus System; issues with the recording and transmission of the August 24, 2015 City Council meeting; and implementation of the change once it is approved.

3. My Brother's Keeper Initiative

Member Sahli-Wells reported that My Brother's Keeper had been accepted as part of the City work plan; she discussed involvement by Los Angeles County; the Summit scheduled for September 9; assisting communities throughout Los Angeles County to meet goals; a new non-profit called New Earth working with incarcerated youth; accessing data in order to move the program forward; and working with the Culver Needs Committee.

C. New Discussion Items

1. CCUSD Composting Program

Discussion ensued between Committee Members regarding the success of the program; feedback; changes to the funding status of the recycling program; education; the lunch program; instruction by the Food Service staff; and progress.

2. CCUSD Sustainability Committee Green5 Campaign Update

Shae Cunningham, Arts Earth Partnership, discussed the many presentations she has made to the schools; the 5 Rs: reduce, reuse recycle, ride, rethink; the solar project; savings; ecological impacts; reductions to landfill waste; the shift in the way waste is handled; emphasizing zero waste lunches; reusable containers; the CRV focus; a 600% increase in recycling rates; dumpster diving; audits; the sorting stations; the pilot program at Linn Howe; a recent award; other cities around the state that are using the Culver City model; color coding; signage; creation of a staff liaison committee; institutionalizing the process; surveys returned; the Sustainability Advisory Committee; approval from administration to pursue a Green Ribbon Award; becoming a truly sustainable School District; the new partnership with Power Save Alliance; teaching children from K to University levels about energy, renewable energy and how to perform energy audits; incorporating water conservation into the program; tying into existing programs; sites that do not have composting yet; recycled paper content; and cost differentials.

Discussion ensued between staff and Committee Members regarding providing EV charging stations at school sites; plans for the City to install EV charging stations; sharing information; a program to place stations strategically throughout the state; the Southern California Environmental Excellence Award; a suggestion that Green5 programs be used in the City as well; curriculum; engaging the children; composting; outreach to West LA College; and support for the program.

3. CCUSD Bond Construction Schedule Update

Paul Ehrlich reported that he serves on the Bond Oversight Committee; he discussed maintenance; artificial grass; and fireworks at West LA College.

Mike Reynolds, Assistant Superintendent, discussed highlights and provided updates on the program.

Discussion ensued between staff and Committee Members regarding coordination with the Storm Water Mitigation Program; information available on the website: www.ccusd-measurecc.org; status of projects; target dates; priorities; the scope and sequence; appropriate education specifications; scheduling; Swing Space; information regarding specific projects; air quality issues; health and safety issues; addressing air issues; communication; the pilot model installed last year; effectiveness; prototypes to measure air quality and impacts to the temperatures in the classroom; proximity to the freeway; and permits for school construction.

4. Stormwater Management Discussion

Damian Skinner, Environmental Programs and Operations Manager, discussed meetings to consider potential locations for rainwater.

Discussion ensued between staff and Committee Members regarding creating a green street master plan; developing a strategy; issues with limited open space; identifying opportunities; partnering with the School District; capturing water for future use; funding; identifying a clear path to achieve goals; work to put together and release an RFP; projects in the pipeline; the Costco project; the City mandate; Ballona Creek and Marina Del Rey Creek; appreciation for the work of the Committee; communication; and turning challenges into positives.

Member Clarke reported on the City Council discussion of Campaign Finance Reform at the meeting of August 24, 2015; an additional discussion at the City Council meeting scheduled for September 15, 2015; community outreach; actions of the Supreme Court and State Legislature that limit options; and budget limitations.

Discussion ensued between staff and Committee Members regarding marketing the City Parks, Recreation and Community Services classes through the schools; programming; and Culver City Living.

Member Sahli-Wells discussed Smart 911 and new features coming out.

D. Adjournment Date

Discussion ensued between staff and Committee Members regarding scheduling; upcoming agenda items; and notification.

Follow up items:

Parking Updates
Joint Bond Projects
Charitable Parking Meters

ADJOURNMENT

At 5:36 P.M. the City Council/CCUSD Liaison Committee adjourned to October 12, 2015 at 4:00 P.M. in the Dan Patacchia Room at City Hall.

Jeremy Green
DEPUTY SECRETARY PRO TEMPORE of the City Council/CCUSD Liaison Committee
Culver City, California

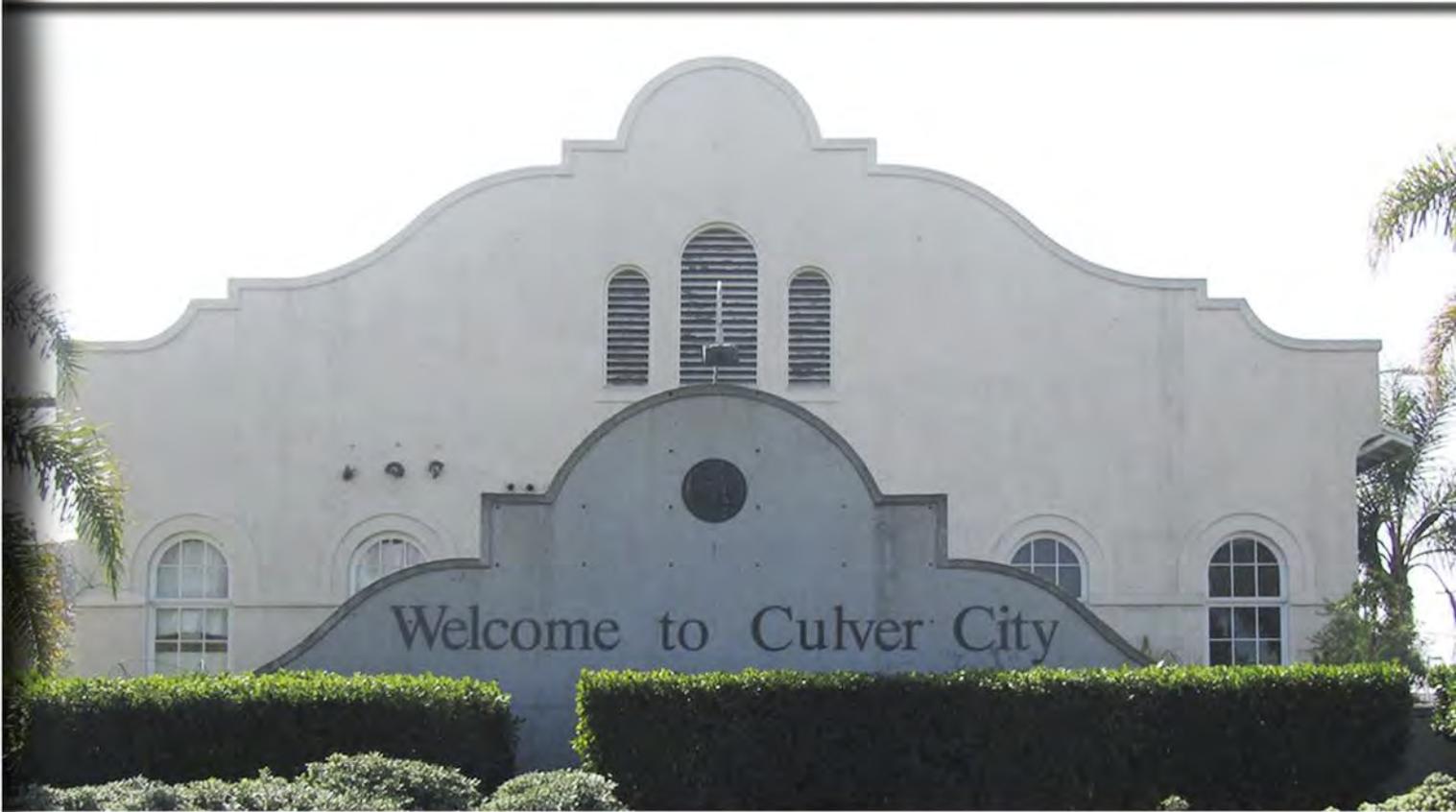
APPROVED

Meghan Sahli-Wells
CHAIR of the City Council/CCUSD Liaison Committee
Culver City, California

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan Joint Meeting



January 12, 2016



Michael Baker
INTERNATIONAL

Agenda

- Hazards and Risk Assessment/Vulnerability Overview (10 minutes)
- Mitigation Actions & Prioritization (30 minutes)
- Next Steps (5 minutes)

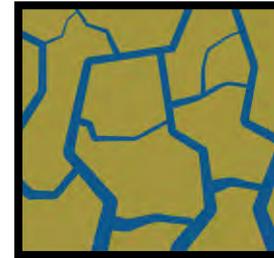
HAZARDS AND RISK ASSESSMENT/ VULNERABILITY OVERVIEW

Hazard Identification

HAZARD RANKING WORKSHEET - Culver City MJHMP					DATE: 7/20/2015	
Hazard Type	Probability	Impact			Total Score	Hazard Planning Consideration
		Location	Primary Impact	Secondary Impacts		
Drought	4	4	4	4	64.00	High
Sesimic Hazards	4	4	4	4	64.00	High
EQ Fault Rupture	4	2	4	4	51.20	High
Wildfire	3	3	4	4	43.20	High
Disease/Pest Management	4	4	1	1	35.20	Medium
Windstorm	4	4	1	1	35.20	Medium
Liquefaction	2	2	4	4	25.60	Medium
Flood	2	1	3	3	17.60	Medium
Landslide/Mudflow	2	1	3	3	17.60	Medium
Haz Mat	1	3	3	3	12.00	Low
Geo Hazards	1	2	3	3	10.40	Low
Dam Failure	1	2	2	4	10.00	Low
Tsunami	1	1	2	2	6.40	Low

Natural Hazards Being Evaluated

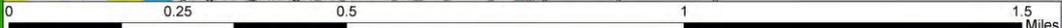
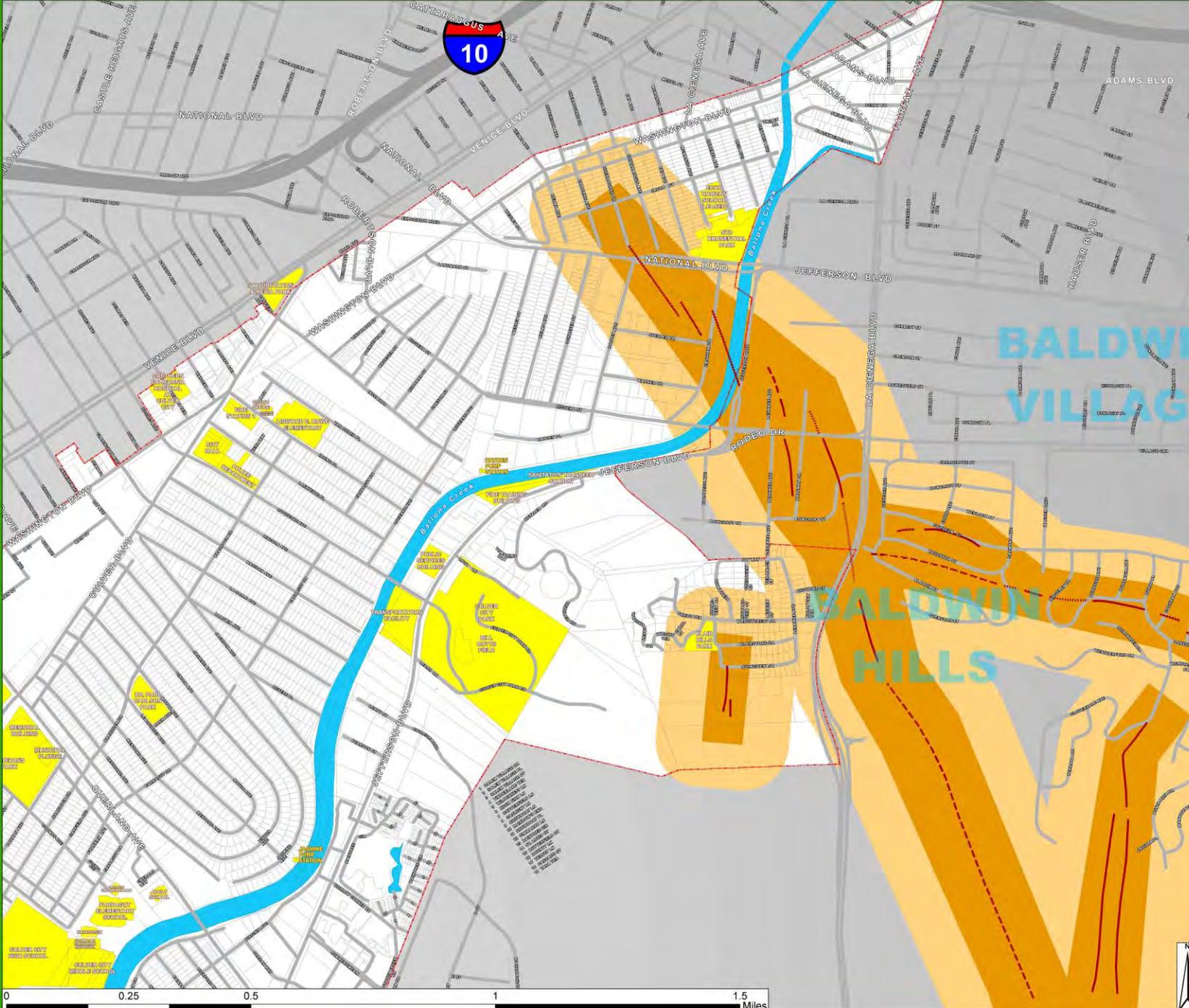
- Drought (not mapped)
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Severe Weather (not mapped)
 - Windstorm
 - Heavy rain
- Flood



Seismic Hazards



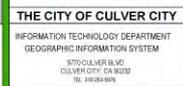
- LEGEND**
- - - - - Concealed Fault Trace
 - - - - - Inferred Fault Trace
 - - - - - Approximate Fault Trace
 - - - - - Accurate Fault Trace
 - Earthquake Fault Zone
 - Fault Zone 500 ft Buffer
 - Critical Facility
 - City Boundary
 - Parcel
 - Water Body
 - Sewer Pump Station



MAP PROJECTION: CALIFORNIA STATE PLANE
 DATUM: NAD 83
 UNIT: FEET
 ELLIPSOID: GRS 80

MAGNETIC DECLINATION: 14 DEGREES WEST
 YEAR: 2008
 ANNUAL CHANGE: 0.15 DEGREE WEST
 EQUINOXIAL CHANGE: 14.14 DEGREE WEST

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Fault Rupture

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Echo Horizon School (CCUSD)*	3430 McManus Avenue	\$5,112,000	\$0	\$5,112,000
Syd Kronenthal Park (City)	3459 McManus Avenue	\$942,611	\$65,879	\$1,008,490
Blair Hills Park (City)	5950 Wrightcrest Drive	\$95,777	\$0	\$95,777
Total		\$6,150,388	\$65,879	\$6,216,267

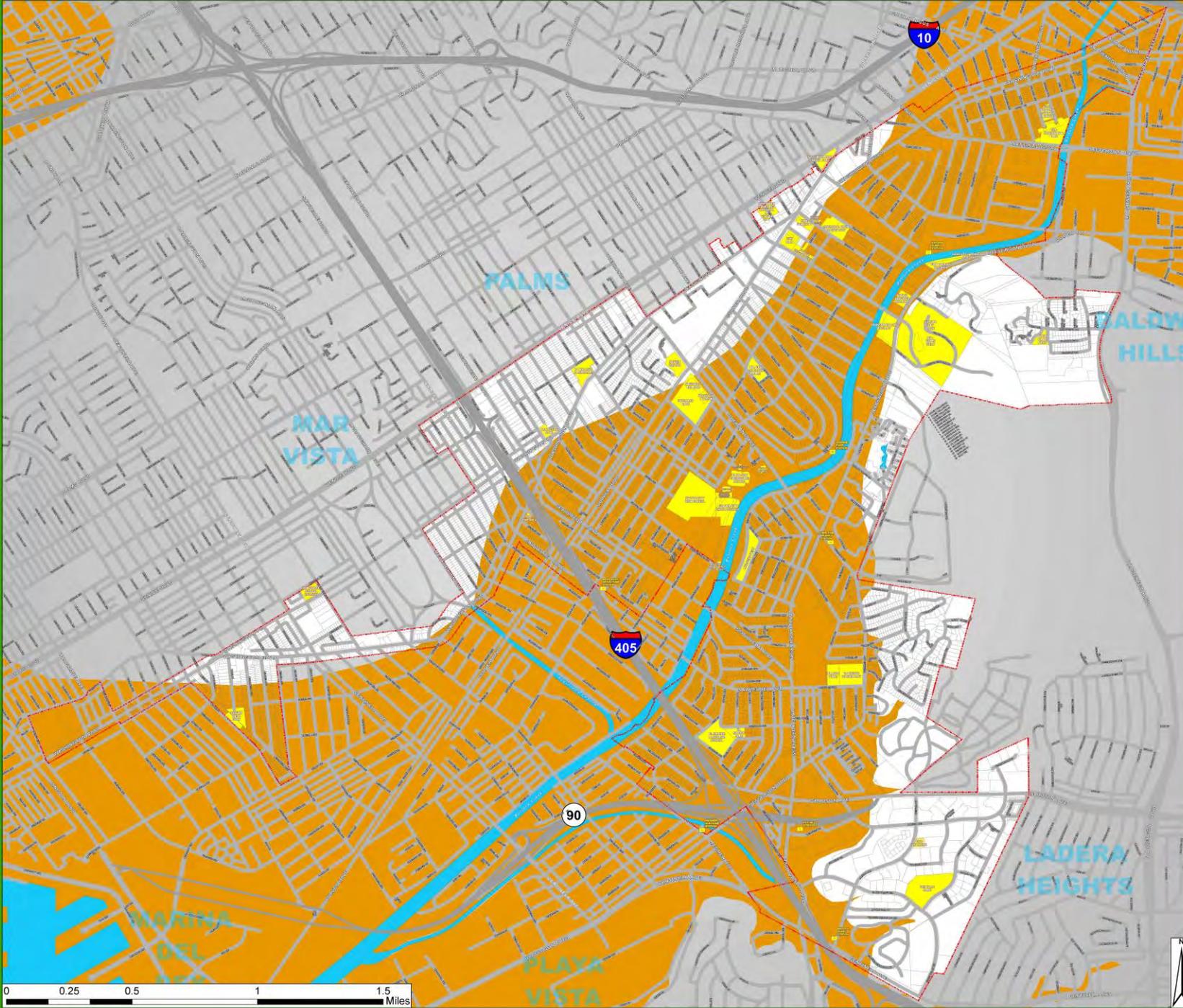
* The Echo Horizon School facility is owned by the CCUSD, but is leased to a private school.

Culver CITY
HAZARD MITIGATION
COMMUNITY WORKSHOP

LIQUEFACTION MAP



- LEGEND**
- Liquefaction
 - Critical Facility
 - City Boundary
 - Parcel
 - Water Body
 - Sewer Pump Station



MAP PROJECTION: CALIFORNIA STATE PLANE
 DATA: 2011
 SCALE: 1" = 100 FEET
 ELLIPSOID: GRS 82

MAGNETIC DECLINATION: 14 DEGREES 30 MINUTES EAST
 YEAR: 2010
 ANNUAL CHANGE: 0.8 MINUTES WEST
 AVERAGE ANGLE: 17 FEET ABOVE SEA LEVEL
 ELEVATION: 14.10 METERS

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 8700 CULVER BLVD.
 CULVER CITY, CA 90230
 TEL: 310.253.5076

Liquefaction – CCUSD

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Unified School District Office	4034 Irving Place	\$6,277,215	\$580,000	\$6,857,215
High School	4401 Elenda Street	\$41,376,330	\$8,101,000	\$49,477,330
Culver Park Continuation High School	4601 Elenda Street	\$1,660,664	\$321,000	\$1,981,664
Middle School	4601 Elenda Street	\$26,524,743	\$2,598,000	\$29,122,743
El Marino Language School	11450 Port Road	\$8,348,419	\$1,496,000	\$9,844,419
El Rincon Elementary	11177 Overland Avenue	\$8,937,845	\$1,332,000	\$10,269,845
Farragut Elementary	10820 Farragut Drive	\$9,614,940	\$1,572,000	\$11,186,940
Linwood E. Howe	4100 Irving Place	\$9,130,373	\$1,679,000	\$10,809,373
Office of Child Development	10800 Farragut Drive	\$1,084,116	\$250,000	\$1,334,116
Adult School	4909 Overland Avenue	\$4,000,000	\$589,000	\$4,589,000
Maintenance Facilities	11102 Lucerne Avenue	\$1,607,074	\$258,000	\$1,865,074
Natorium	4601 Elenda Street	\$3,762,509	\$147,000	\$3,909,509
Warehouse/ District IMC	4034 Irving Place	\$1,339,000	\$209,000	\$1,548,000
Echo Horizon School*	3430 McManus Avenue	\$5,112,000	\$0	\$5,112,000
Total		\$,128,775,228	\$18,552,000	\$147,907,228

* The Echo Horizon School facility is owned by the CCUSD, but is leased to a private school.

Liquefaction – City

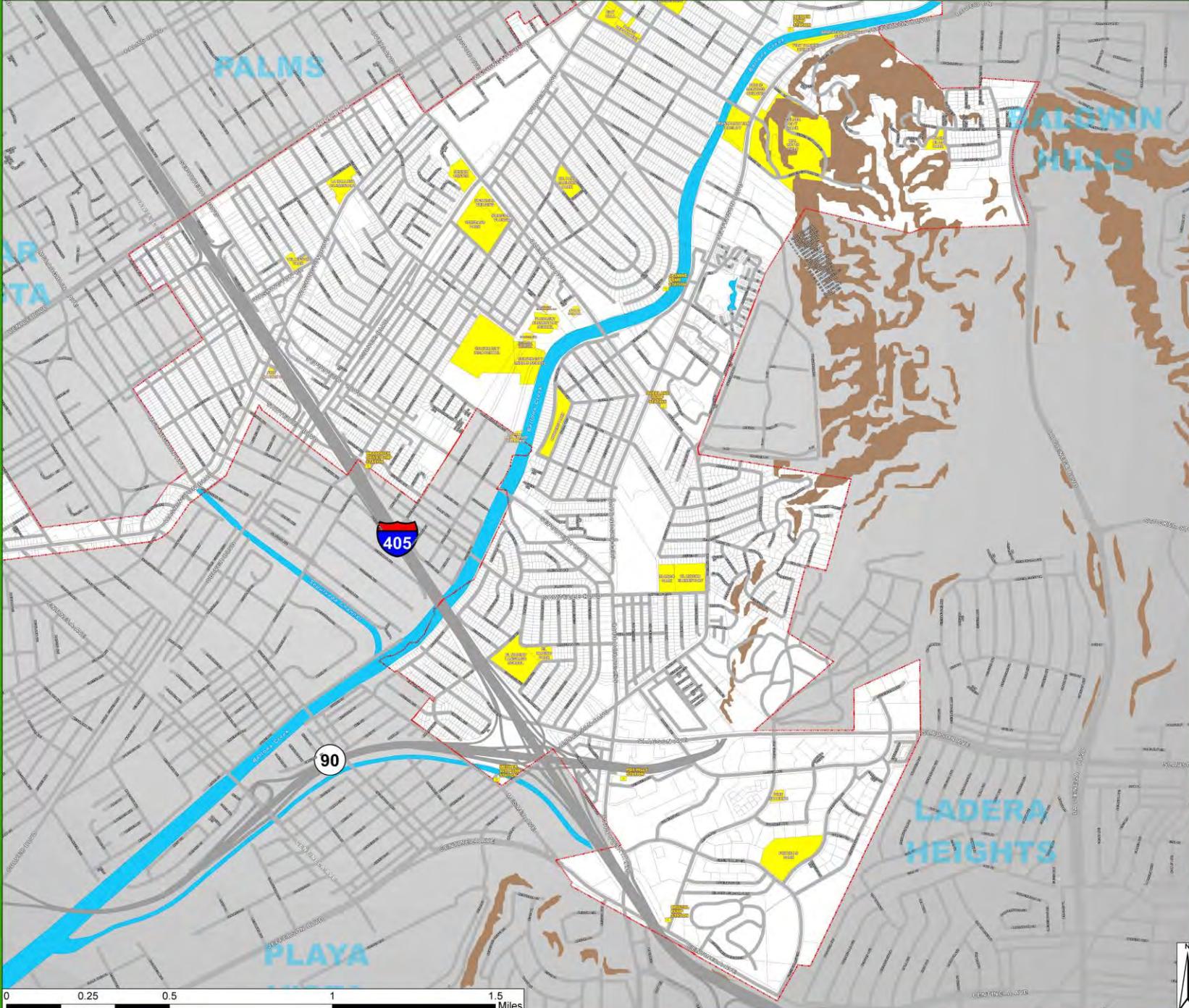
Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Police Department	4040 Duquesne Avenue	\$10,212,855	\$1,752,325	\$11,965,180
Fire Station No. 2	11252 Washington Boulevard	\$1,706,216	\$92,297	\$1,798,513
Fire Training Building	9275 Jefferson Boulevard	\$282,256	\$36,392	\$318,648
Public Works Yard	9505 Jefferson Boulevard	\$8,310,098	\$1,786,196	\$10,096,294
Sanitation Transfer Station	9255 Jefferson Boulevard	\$4,026,878	\$438,464	\$4,465,342
Transportation Facility	4343 Duquesne Avenue	\$26,036,981	\$2,761,451	\$28,798,432
Veterans Park & Memorial Building	4117 Overland Avenue	\$7,048,303	\$443,126	\$7,491,429
Syd Kronenthal Park	3459 McManus Avenue	\$942,611	\$65,879	\$1,008,490
Blanco Park	5801 Sawtelle Boulevard	\$164,087	\$0	\$164,087
Culver West Park	4162 Wade Street	\$912,258	\$77,608	\$989,866
El Marino Park	5301 Berryman Avenue	\$287,818	\$21,265	\$309,083
Dr. Paul Carlson Park	4233 Motor Avenue	\$132,746	\$0	\$132,746
Culver City Park (Botts Field)	9690 Jefferson Boulevard	\$459,048	\$32,444	\$491,492
Lindberg Park	5401 Rhoda Way	\$517,120	\$30,584	\$547,704
Municipal Plunge	4175 Overland Avenue	\$2,839,743	\$94,380	\$2,934,123
Total		\$63,879,018	\$7,632,411	\$71,511,429

LANDSLIDE MAP



LEGEND

- Landslide Hazard Zone
- Critical Facility
- City Boundary
- Parcel
- Water Body
- Sewer Pump Station



MAP PROJECTION: CALIFORNIA STATE PLANE
 DATUM: NAD 83
 UNIT: METERS
 ELLIPSOID: GRS 80

MAGNETIC DECLINATION: 14 DEGREES 54 MINUTES EAST
 YEAR: 2008
 ANNUAL DECAY: 0.15 DEGREES WEST
 AVERAGE DECLINATION: 14 DEGREES 54 MINUTES EAST
 ELEVATION: FEET

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Landslides

Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Blair Hills Park (City)	5950 Wrightcrest Drive	\$95,777	\$0	\$95,777
Culver City Park (Botts Field) (City)	9690 Jefferson Boulevard	\$459,048	\$32,444	\$491,492
Total		\$554,825	\$32,444	\$587,269

Wildfire

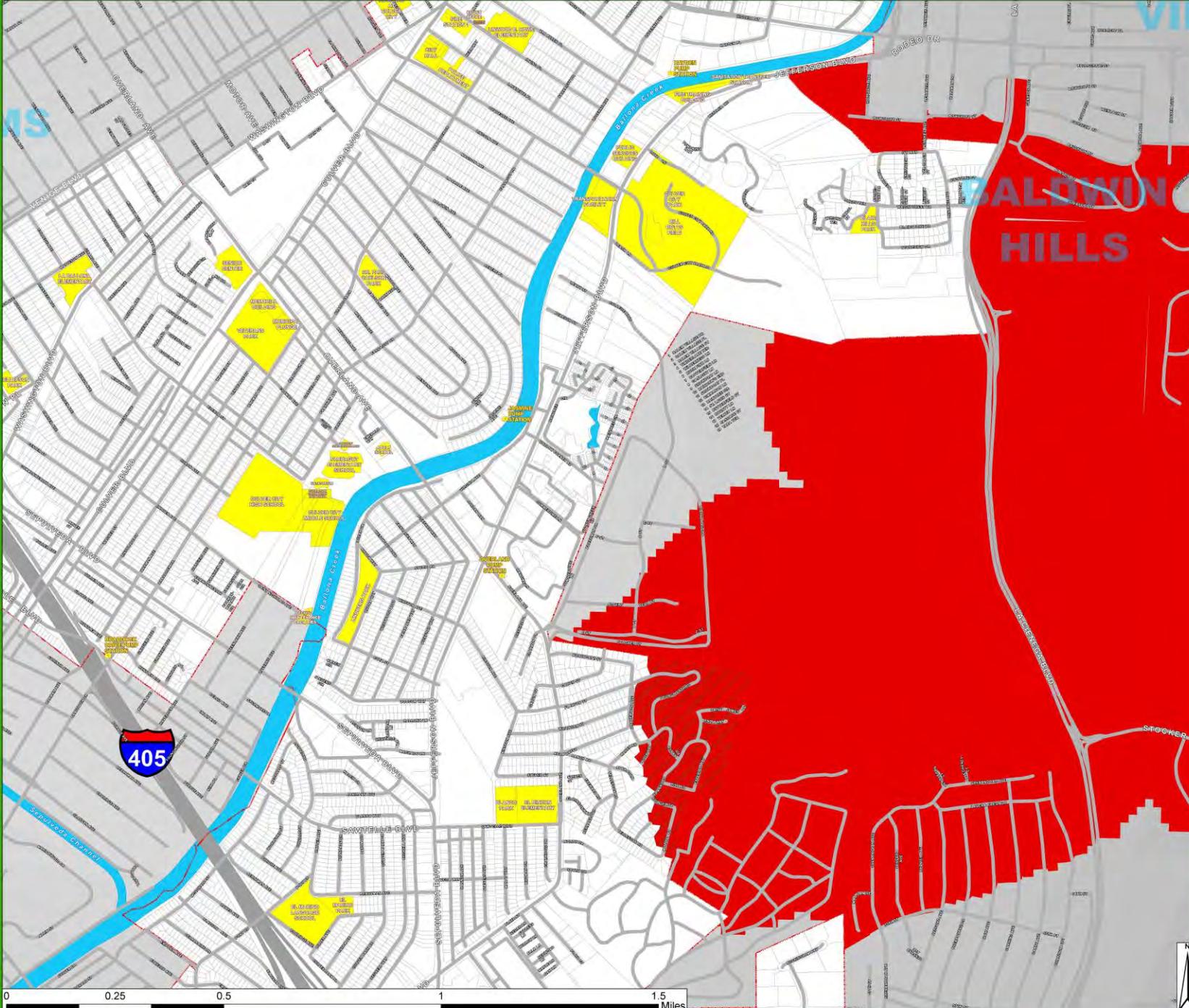
**FIRE HAZARD
AREAS MAP**



Location Map

LEGEND

- VHFHSZ
Very High Fire Hazard Severity Zone
- VHFHSZ LRA
Very High Fire Hazard Severity Zone, Culver City Local Responsibility Area (LRA)
- Critical Facility
- City Boundary
- Parcel
- Water Body
- Sewer Pump Station



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MAP PROJECTION: CALIFORNIA STATE PLANE
SPHERICAL MERCATOR
UNIT: FEET
ELECTRIC: NAD 83

MAGNETIC DECLINATION: 14 DEGREES 54 MINUTES EAST
YEAR: 2015
ANNUAL VARIATION: 0.82 MINUTES WEST
AVERAGE DECLINATION: 13 DEGREE 58 MINUTES
ELECTRIC: NAD 83

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Flood

Flood

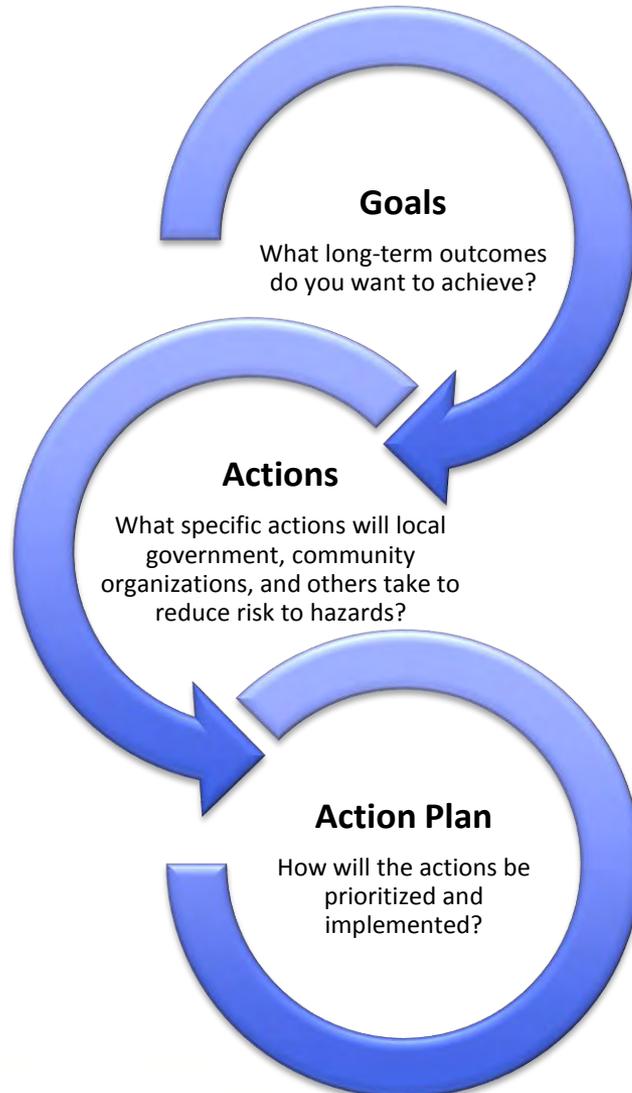
Critical Facility Name	Location	Facility Replacement Cost	Content Replacement Cost	Total Insurable Value
Syd Kronenthal Park (City)	3459 McManus Avenue	\$942,611	\$65,879	\$1,008,490

Vulnerability Summary

	Drought	Fault Rupture	Ground Shaking	Liquefaction	Landslide/ Mudflow	Wildfire	Windstorm/ Heavy Rain	Flood
Area (acres) (% of City)	3,289	187.5 (5.7%)	3,289	1996.9 (60.7%)	111.9 (3.4%)	48.1 (1.5%)	3,289	28.3 (0.8 %)
CULVER CITY								
Number of Residents (% of population)	39,105	736 (1.9%)	39,105	22,084 (56.5%)	0	190 (0.5%)	39,105	30 (.08%)
Number of Employees (% of employees)	45,340	1,353 (2.9%)	45,340	24,120 (53%)	0	72 (1.6%)	45,340	364 (0.8%)
CULVER CITY UNIFIED SCHOOL DISTRICT								
Number of Students (% of student population)	7,062	0	7,062	6,491 (92%)	0	0	7,062	0
Number of Staff (% of staff)	503	0	503	467 (93%)	0	0	503	0

MITIGATION ACTIONS & PRIORITIZATION

Mitigation Strategy



- Evaluate and prioritize goals and mitigation actions to reduce or avoid long-term vulnerabilities associated with each hazard

Mitigation Actions

- Consider a variety of mitigation activities:
 - Prevention
 - Property protection
 - Public education and awareness
 - Natural resource protection
 - Emergency services
 - Structural projects



nixle



Mitigation Actions Discussion

Next Steps

Complete Draft MJHMP

- January 29, 2016

Steering Committee Review of MJHMP

- February 1 – February 12, 2016

Prepare Public Review Draft MJHMP

- February 15 – February 22, 2016

Public Review Draft

- February 23 – March 23, 2016 (30-days)

Submit Draft MJHMP to Cal OES

- April 8, 2016

City Council and CCUSD Adoption

- Summer 2016

QUESTIONS?

MJHMP Goals

- **Protect Life and Property**
 - Implement activities that assist in protecting lives by making homes, businesses, infrastructure, critical facilities, and other property more resistant to losses from hazards.
 - Reduce losses and repetitive damages from chronic hazard events while promoting insurance coverage for catastrophic hazards.
 - Improve hazard assessment information to make recommendations for evaluating new development in high hazard areas and encouraging preventative measures for existing development in areas vulnerable to hazards.
- **Public Awareness**
 - Develop and implement educational outreach programs to increase public awareness of the risks associated with hazards.
 - Provide information on tools, partnership opportunities and funding resources to assist in implementing mitigation activities.

MJHMP Goals

■ Natural Systems

- Balance natural resource management and land use planning with natural hazard mitigation to protect life, property, and the environment.
- Preserve, rehabilitate and enhance natural systems to mitigate natural hazards.

■ Partnerships and Implementation

- Strengthen communication and coordinate participation among and within public agencies, residents, non-profit organizations, business, and industry to develop a vested interest in implementation.
- Encourage leadership within public and private sector organizations to prioritize and implement local and regional hazard mitigation activities.

MJHMP Goals

- Emergency Services
 - Establish policy to ensure mitigation projects for critical facilities, services and infrastructure.
 - Strengthen emergency operations by increasing coordination among public agencies, non-profit organizations, business and industry.
 - Where appropriate, coordinate and integrate hazard mitigation activities with emergency operations plans and procedures.

STAPLE/E Review and Selection Criteria

Social
<ul style="list-style-type: none">• Is the proposed action socially acceptable to the jurisdiction and surrounding community?• Are there equity issues involved that would mean that one segment of the jurisdiction and/or community is treated unfairly?• Will the action cause social disruption?
Technical
<ul style="list-style-type: none">• Will the proposed action work?• Will it create more problems than it solves?• Does it solve a problem or only a symptom?• Is it the most useful action in light of other jurisdiction goals?
Administrative
<ul style="list-style-type: none">• Can the jurisdiction implement the action?• Is there someone to coordinate and lead the effort?• Is there sufficient funding, staff, and technical support available?• Are there ongoing administrative requirements that need to be met?
Political
<ul style="list-style-type: none">• Is the action politically acceptable?• Is there public support both to implement and to maintain the project?

STAPLE/E Review and Selection Criteria

Legal

- Is the jurisdiction authorized to implement the proposed action?
- Are there legal side effects? Could the activity be construed as a taking?
- Will the jurisdiction be liable for action or lack of action?
- Will the activity be challenged?

Economic

- What are the costs and benefits of this action?
- Do the benefits exceed the costs?
- Are initial, maintenance, and administrative costs taken into account?
- Has funding been secured for the proposed action? If not, what are the potential funding sources (public, nonprofit, and private)?
- How will this action affect the fiscal capability of the jurisdiction?
- What burden will this action place on the tax base or local economy?
- What are the budget and revenue effects of this activity?
- Does the action contribute to other jurisdiction goals?
- What benefits will the action provide?

Environmental

- How will the action affect the environment?
- Will the action need environmental regulatory approvals?
- Will it meet local and state regulatory requirements?
- Are endangered or threatened species likely to be affected?

B.3 Community Outreach

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CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

The Federal Disaster Mitigation Act of 2000 (DMA 2000) requires a community to have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of FEMA funding is critical to implementing identified hazard mitigation projects and programs.

The City of Culver City and the Culver City Unified School District (CCUSD) received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The purpose of mitigation planning is to identify policies and to take actions that can be implemented over the long term to reduce risk and future losses when an emergency or disaster occurs. Mitigation plans form the foundation for a community's long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage.

Your participation in the planning process is extremely important and vital to the success of the plan.

In order to identify and plan for future natural disasters, with an emphasis on identifying projects that will reduce future loss, we need your feedback! This questionnaire is designed to help the City gauge the level of knowledge our community has about natural disaster issues and to obtain your input about areas in Culver City that may be vulnerable to various types of natural disasters. The information you provide will help us identify and coordinate projects focused on reducing the risk of injury or damage to property from future hazard events (e.g. wildfires, floods, earthquakes).

The survey should take approximately 12-15 minutes to complete and is anonymous. Your information will be kept confidential. The final results of the survey will be included within the MJHMP and posted on the City's webpage at www.culvercity.org/hazardmitigationplan.

The City and CCUSD thank you for taking the time to participate in this information-gathering process.

1. Do you... (check all that apply)

- Live in Culver City Work in Culver City Visit Culver City, but live and work elsewhere

2. What is your age group?

- 17 or younger 18 – 25 26 – 35 36 – 45 46 – 65 Over 65
 Prefer not to answer



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

3. Which of the following types of natural disasters have you or someone in your household experienced in the past 20 years within the City of Culver City?

- Wildfire
- Windstorm
- Earthquakes
- Flood
- Drought
- Seismic Hazards (liquefaction)
- Landslide/Mudflow
- None
- Other (please specify): _____

4. How concerned are you about the following hazards occurring in or impacting the City of Culver City? Please check ONE response for each hazard.

Potential Disasters	Not Concerned	Somewhat Concerned	Concerned	Very Concerned	Extremely Concerned
Climate Change					
Civil Disturbance					
Cyberterrorism					
Terrorism					
Drought					
Earthquake					
Wildfire					
Windstorm					
Liquefaction					
Flood					
Landslide/Mudflow					
Severe Weather					
Disease/Epidemic					
Dam Failure					
Liquefaction					
Other (please specify):					



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

5. What do you believe is the likelihood that these disasters will happen in or impact the City of Culver City? Please check ONE response for each hazard.

Potential Disasters	Very Likely	Likely	Somewhat Likely	Not Likely At All
Climate Change				
Civil Disturbance				
Cyberterrorism				
Terrorism				
Drought				
Earthquake				
Wildfire				
Windstorm				
Liquefaction				
Flood				
Landslide/Mudflow				
Severe Weather				
Disease/Epidemic				
Dam Failure				
Liquefaction				
Other (please specify):				

6. Select the ONE hazard you think is the HIGHEST threat to your neighborhood.

- | | |
|--|---|
| <input type="checkbox"/> Climate Change | <input type="checkbox"/> Household Fire |
| <input type="checkbox"/> Civil Disturbance | <input type="checkbox"/> Liquefaction |
| <input type="checkbox"/> Cyberterrorism | <input type="checkbox"/> Mudslide/Landslide |
| <input type="checkbox"/> Dam Failure | <input type="checkbox"/> Severe Weather |
| <input type="checkbox"/> Disease/Epidemic | <input type="checkbox"/> Wildfire |
| <input type="checkbox"/> Drought | <input type="checkbox"/> Windstorm |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Other (please specify) |
| <input type="checkbox"/> Excessive Heat | |
| <input type="checkbox"/> Flood | |
| <input type="checkbox"/> Hazardous Materials | |



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

7. Select the ONE hazard you think is the SECOND HIGHEST threat to your neighborhood.

- Climate Change
- Civil Disturbance
- Cyberterrorism
- Dam Failure
- Disease/Epidemic
- Drought
- Earthquake
- Excessive Heat
- Flood
- Hazardous Materials
- Household Fire
- Liquefaction
- Mudslide/Landslide
- Severe Weather
- Wildfire
- Windstorm
- Other (please specify)

8. How prepared is your household to deal with a natural hazard event likely to occur in Culver City (check ONE)?

Not at all Prepared	Somewhat Prepared	Adequately Prepared	Well Prepared	Very Well Prepared	Not Sure

9. Have you taken actions to make your home, business, or neighborhood more resistant to hazards (such as anchored furniture and service utilities, installed smoke detectors, regularly trim trees, etc.) ?

- Yes No

If Yes, please explain: _____



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

10. Do you have any special access or functional needs (disabled, require medical care, oxygen, limited English proficiency) within your household that would require early warning or specialized response during disasters?

- Yes No

11. What are the MOST EFFECTIVE ways for you to receive information about how to make your home and neighborhood more resistant to hazards (check all that apply)?

- Informational brochures
- City/School newsletters
- City/school website
- County website
- State/Federal website
- Public meetings, workshops, and/or classes
- Schools and academic institutions
- TV based media (news and public service announcements)
- Radio based media (news and public service announcements)
- National Weather Service website
- Fire department
- Law enforcement
- Faith-based institutions
- CERT classes
- Public awareness campaigns (Flood Awareness Week)
- Community safety events
- Fair booths and/or festivals
- Books and/or magazines
- Public library
- Chamber of Commerce
- Nongovernmental organization (Red Cross)
- Auto-dial information from "911" center
- Social media (Twitter, Facebook, LinkedIn)
- Email
- Direct mail
- Word of mouth
- Other (please specify)



**CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT
MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN
COMMUNITY SURVEY**

12. How much money would you be willing to spend at one time to protect your home or business from natural hazards? (For example, by replacing flammable roofing material, performing seismic upgrades, greywater systems, etc.)

- Not willing to spend money on this
- Less than \$1,000
- \$1,000 to \$2,499
- \$2,500 to \$4,999
- \$5,000 to \$9,999
- \$10,000 or more

13. How much money would you be willing to spend each year to protect your home or business from natural hazards in the form of flood and/or earthquake insurance?

- Not willing to spend money on this
- Less than \$250
- \$250 to \$499
- \$500 to \$749
- \$750 to \$999
- \$1,000 or more

14. Which of the following incentives would encourage you to protect your home or business against natural hazards? (check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Insurance premium discount | <input type="checkbox"/> Mortgage discount or low interest loan |
| <input type="checkbox"/> Financial assistance for property upgrades | <input type="checkbox"/> Rebate program |
| <input type="checkbox"/> Financial assistance for equipment | <input type="checkbox"/> Labor assistance |
| <input type="checkbox"/> Technical assistance | <input type="checkbox"/> Property tax break or incentive |

- Grant funding that requires "cost share"
- Building permit fee reduction or waiver
- Other (please specify): _____



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

15. In the following statements, check the box that best describes your opinion (Please check ONE answer for each statement). This information will assess community beliefs on developing hazard mitigation programs and strategies.

	Not Sure	Strongly Agree	Agree	Disagree	Strongly Disagree
Support the development of more community disaster preparedness education and training programs					
Support policies to require hazard mitigation before developing areas subject to natural hazards/disasters					
Willing to make my home/residence more disaster resistant					
Support a local inventory of at-risk buildings and infrastructure					
Support steps to safeguard the local economy following a disaster event					
Support the use of general fund dollars to reduce risks and losses from disasters					
Support a mix of regulatory and non-regulatory approaches to reducing hazards					

16. How supportive are you of land use regulations within known high hazard areas aimed at mitigating their impacts (e.g., wildfires, floods, earthquakes)?

- Very Supportive
- Somewhat Supportive
- Noncommittal
- Somewhat Oppose
- Adamantly Oppose

17. Who do you think has the primary responsibility for helping people during the first twelve hours after a strong earthquake or other natural disaster?

- Federal Government (FEMA/DHS)
- State Government (CALEMA/National Guard)
- Local Government (City/County)
- People in the area affected (myself, neighbors, and organizations)
- Other (please specify): _____



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

18. What types of projects do you believe the City of Culver City, County, State, or Federal agencies should be doing in order to reduce damage and disruption from natural disasters within Culver City? Please check ONE option for each potential project.

Potential Projects	High Priority	Medium Priority	Low Priority
Retrofit and strengthen essential facilities such as hospitals, schools, fire stations, and police stations to current building codes.			
Retrofit infrastructure such as roads, bridges, drainage facilities, water supply, waste water, and power supply facilities to guard against natural hazards.			
Fund capital projects such as storm drain improvements.			
Strengthen codes and regulatory standards in disaster/hazard areas			
Acquire vulnerable properties and maintain them as open space.			
Provide better public information about risk and the exposure to hazards within the community.			
Implement projects that restore the natural environments capacity to absorb the impacts from natural hazards.			
Implement projects that mitigate the potential impacts from climate change.			
Acquire emergency generators for essential government facilities and buildings identified as care and shelters.			
Other (please specify)			

19. Do you own or rent your home or business?

- Own
 Rent

20. Is your home or business located in or near a FEMA designated floodplain?

- Yes
 No
 Not Sure

21. Do you have flood insurance?

- Yes
 No
 Not Sure

If no, what is the primary reasons why you do not have flood insurance? _____



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

22. Is your home or business located near an earthquake fault?

- Yes No
 Not Sure

23. Do you have earthquake insurance?

- Yes No
 Not Sure

If no, what is the primary reasons why you do not have earthquake insurance? _____

24. Is your home or business located in an area at risk for wildfires?

- Yes No
 Not Sure

25. Does your homeowner, renter, or property insurance policy provide coverage for damage from natural hazards?

- Yes No
 Not Sure I do not have property insurance.

26. Have you ever had problems obtaining homeowner, renter, or property insurance due to risks from natural disasters?

- Yes No
 Not Sure Not Applicable

27. When you moved into your home, did you consider the impact a natural hazard event could have on your home?

- Yes No
 Not Sure Not Applicable

28. Was the presence of a natural hazard risk zone (for example, wild fire area or flood zone) disclosed to you by a real estate agent, seller or landlord before you purchased or moved into your home?

- Yes No
 Not Sure Not Applicable



CITY OF CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY SURVEY

29. Would the disclosure of this type of natural hazard event risk information influence your decision to buy or rent a home?

- Yes No
 Not Sure

30. Please utilize the space below to provide any additional comments regarding local natural hazards, disasters, and preparedness.

Thank you for completing the survey! If you have any additional comments or questions regarding the Multi-Jurisdictional Hazard Mitigation Plan, please contact Joe Susca, Senior Management Analyst in the City's Public Works Department at 310.253.5636 or via e-mail at hazardmitigationplan@culvercity.org

City of Culver City & Culver City Unified School District

Multi-Jurisdictional Hazard Mitigation Plan

Introduction

The City of Culver City and Culver City Unified School District (CCUSD) administered a survey to residents and community members to help gauge the level of knowledge the community has about natural disaster issues and to obtain input about areas in Culver City that may be vulnerable to various types of natural disasters. The information gained from the survey will help the City and CCUSD identify and coordinate projects focused on reducing the risk of injury or damage to property from future hazard events (e.g., earthquakes, heavy rains, drought).

The survey was live from August 17 to November 9, 2015 and received 81 responses. It included 30 multiple choice questions with the opportunity to provide comments, and covered demographic information, types of disasters and threats the community might anticipate, how community members would respond, how governing agencies should respond, and community members' readiness in the event of a disaster.

The results of the survey are summarized below. Detailed graphs on each question can be found in Appendix A.

Summary of Input

Key issues:

Earthquakes and drought were noted as key concerns for survey participants, and they were also the two natural hazards that respondents had previously experienced. Additional comments were provided on concerns related to excessive heat, fracking, and power failure.

Preparedness:

In terms of preparedness, respondents indicated that they feel generally prepared for a natural hazard. Responses were split on how much participants would spend to protect their homes or businesses. A large portion of respondents (33 percent) indicated they would spend \$1000 or less, while 25 percent noted they would spend between \$2500 and \$4,999. Approximately 50 percent of respondents were willing to spend \$499 or less per year in the form of insurance to protect against damage resulting from natural hazards. Ten percent were not willing to spend money on insurance.

City Government:

A large majority of participants indicated that they would approve of land-use regulations to mitigate the effects of natural hazards. Rebate programs, insurance premium discounts, and property tax break or incentives were the highest ranked options for encouraging participants to protect their home or business against natural disasters. Respondents indicated that they would choose retrofitting infrastructure and essential facilities to guard against natural hazards, as well as acquiring emergency generators for essential government operations. A majority of respondents indicated that they

believed people in the area affected (myself, neighbors, and organizations) had the primary responsibility for helping after a natural disaster.

Insurance:

Many survey participants responded that they were not sure whether they had flood insurance though over half have earthquake insurance. Of those who responded that they did not have flood insurance, several indicated that they did not live in a floodplain or were unsure of whether they were in a floodplain. Of those who do not have earthquake insurance, most people who provided additional comments indicated that the insurance premiums were too high to justify the cost.

Outreach:

Responses to the most effective ways that respondents would like to receive information was fairly dispersed between the options provided, with Email being the most preferred option. The following are the ten most highly ranked options:

1. Email
2. Community safety events
3. Direct mail
4. Public awareness campaigns
5. Public meetings, workshops, and/or classes
6. CERT classes
7. Informational brochures
8. City/school website
9. Social media (Twitter, Facebook, LinkedIn)
10. Fire department

Additional Comments:

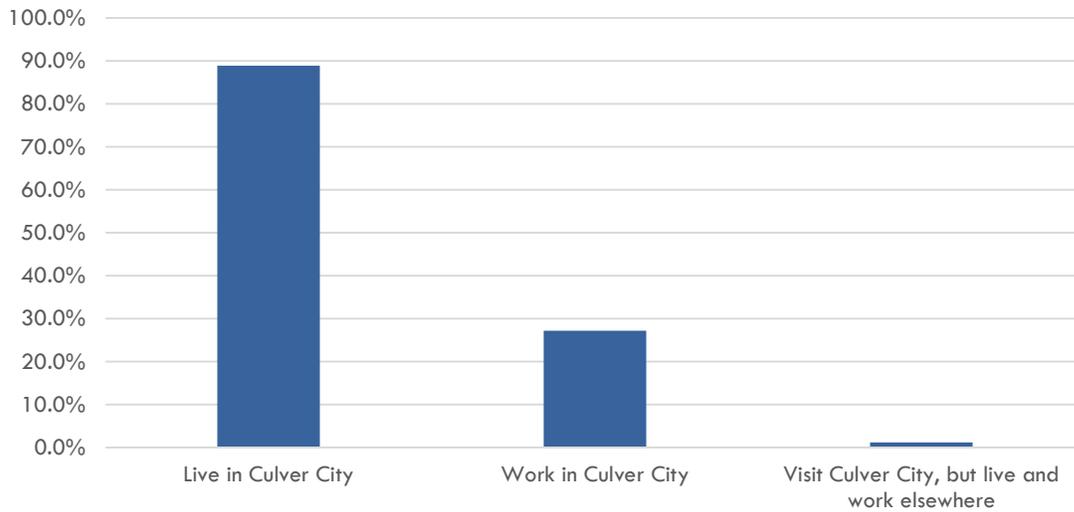
Participants provided additional comments for the survey and noted the following:

- Steps that the City/CCUSD needs to take to mitigate the effects of disasters, including an ordinance requiring residents to have supplies, an “earthquake day” in schools, creating an evacuation plan and signage, and providing the community with maps where floodplains, earthquake faults and liquefaction areas are located in relation to Culver City.
- Appreciation for the survey and a desire to see the results of the survey.

Appendix A: Survey Responses

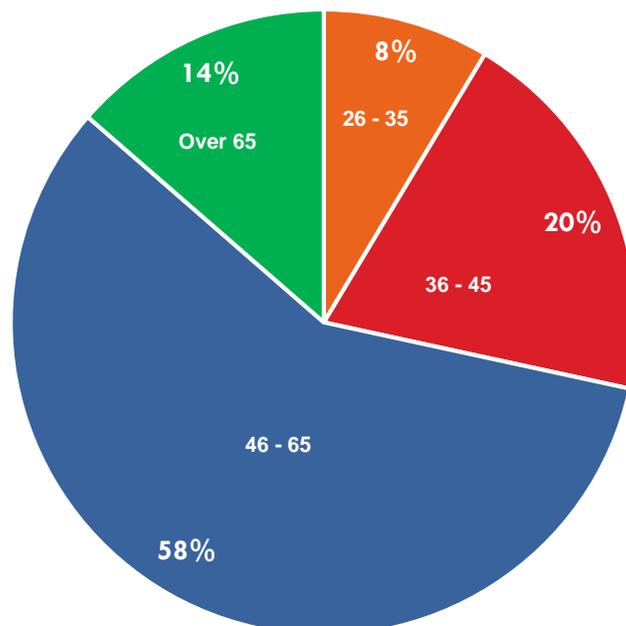
Question 1: Do you – Check all that apply

Almost 90 percent of respondents live in Culver City, and almost a third work in Culver City. Only one respondent noted that they live and work outside of Culver City.



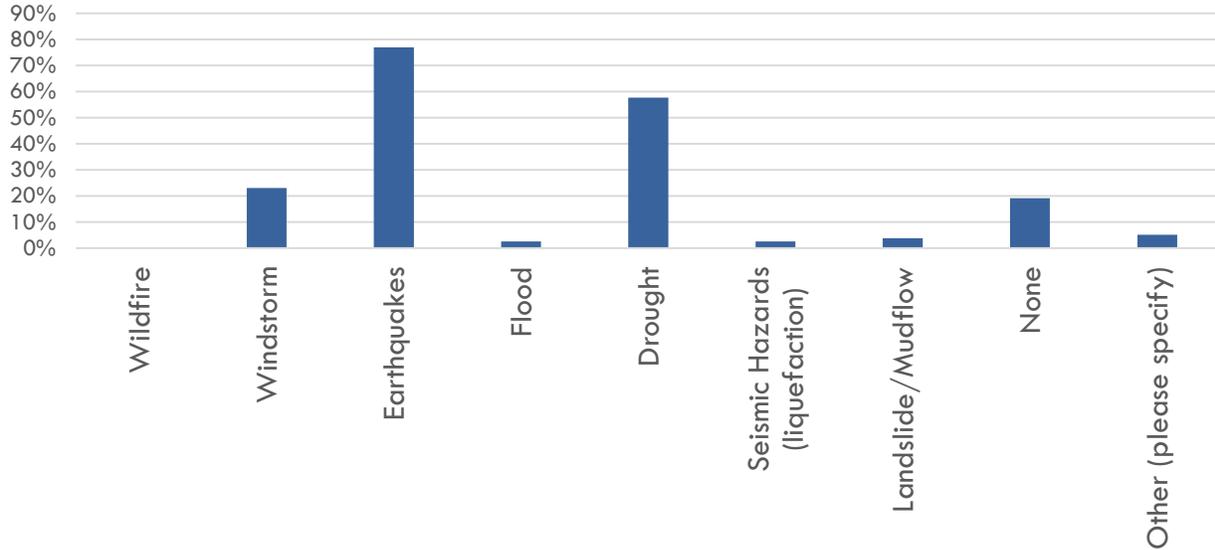
Question 2: What is your age group?

A large majority of respondents were over the age of 45, and none of the respondents were under 25 years of age.



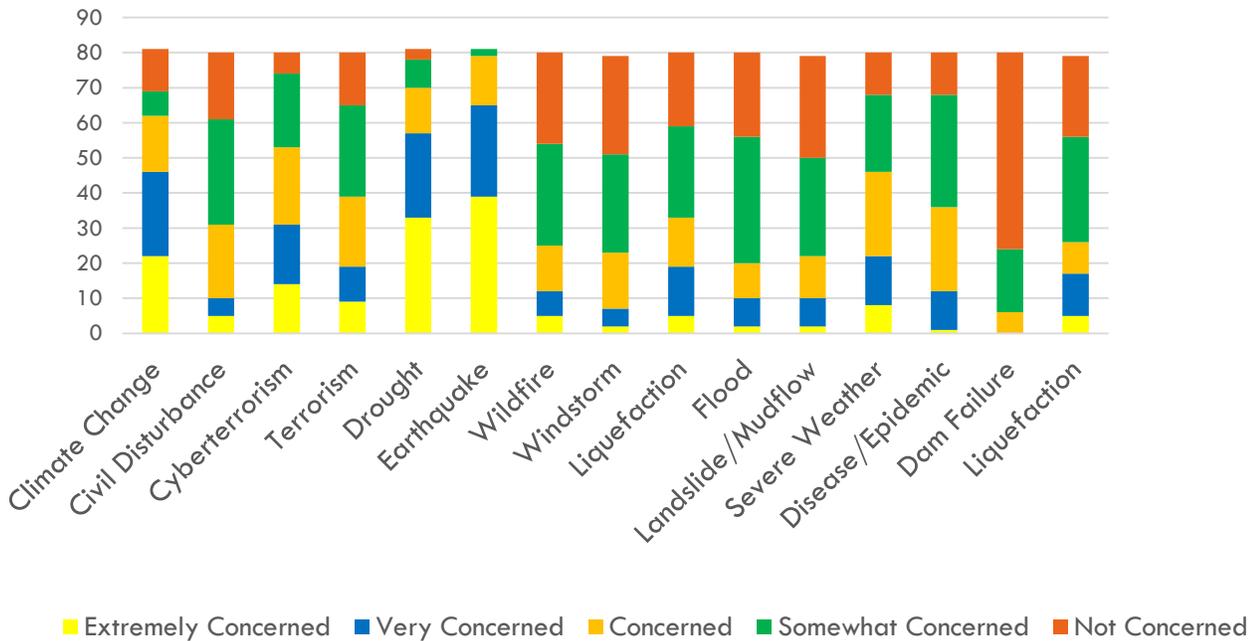
Question 3: Which of the following types of natural disasters have you or someone in your household experienced in the past 20 years within the City of Culver City?

Out of the 78 people who responded to Question 3, most individuals or households had experienced an earthquake themselves, followed by drought or windstorms.



Question 4: How concerned are you about the following hazards occurring in or impacting the City of Culver City?

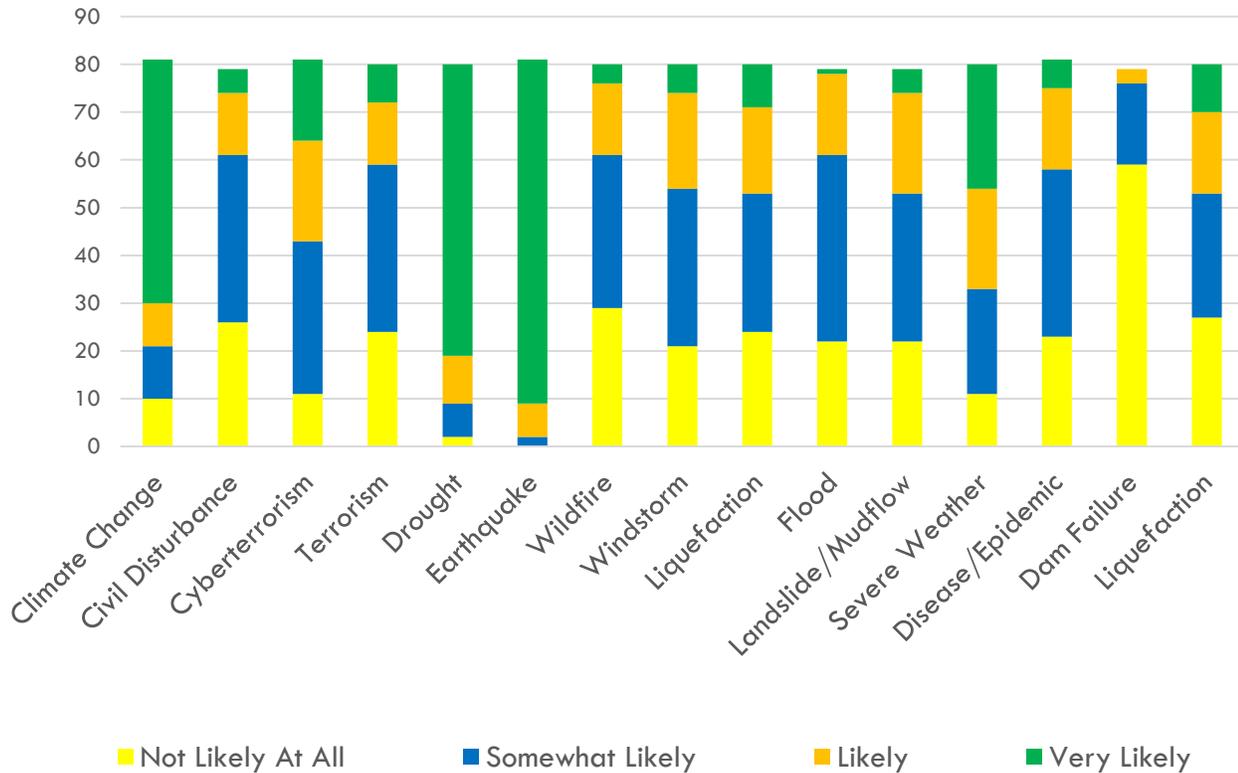
Respondents expressed the most concern about earthquake and drought hazards. Dam failure, flooding, and liquefaction were identified as hazards that respondents were least concerned about.



**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

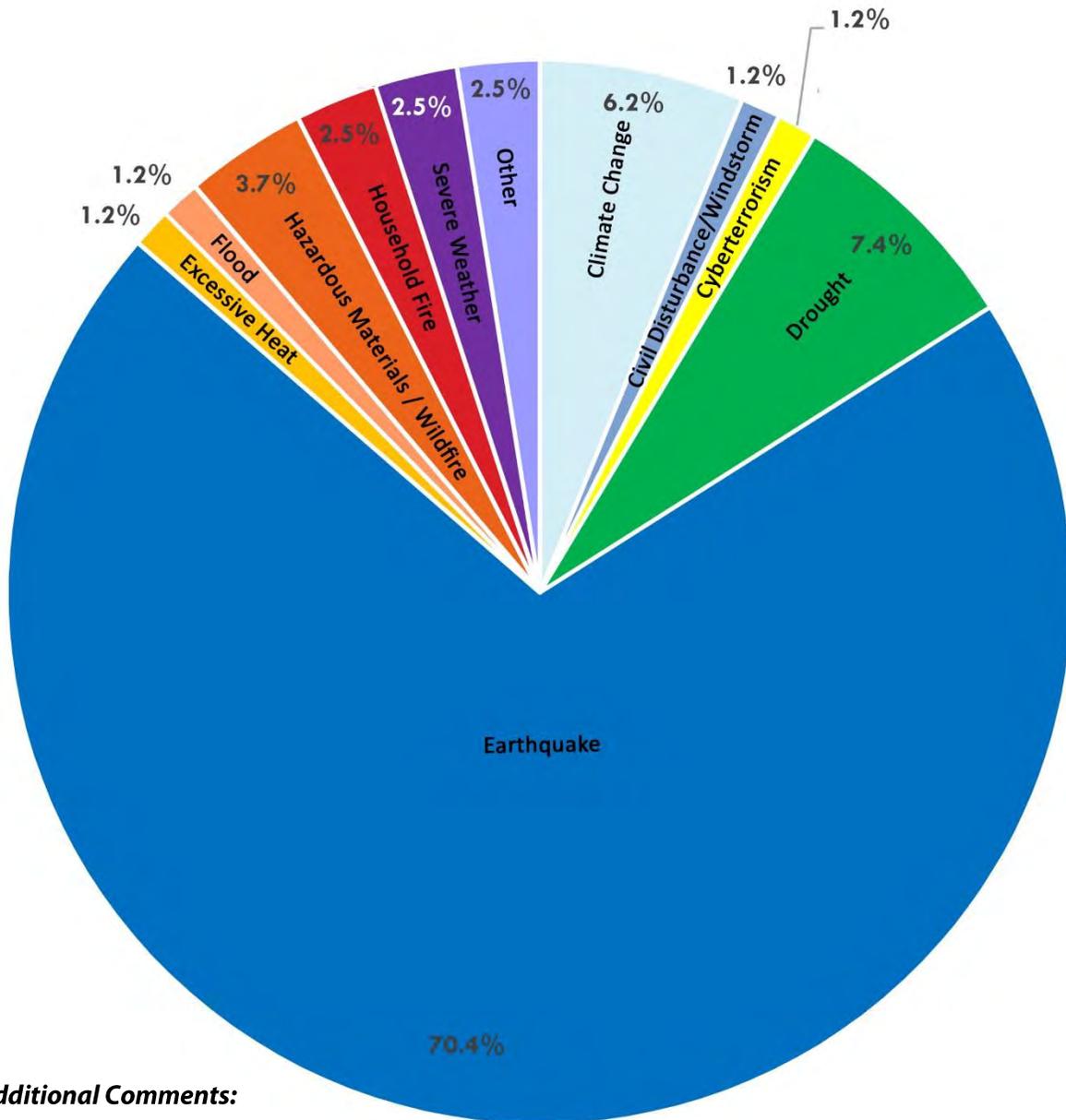
Question 5: What do you believe is the likelihood that these disasters will happen in or impact the City of Culver City? Please check ONE response for each hazard.

Question 5 differentiated between what respondents were most concerned about and focused on what respondents believed the likelihood of each disaster would be for Culver City, and the responses to both questions were similar. Earthquake and Drought both ranked the highest, followed by Climate Change and Severe Weather.



Question 6: Select the ONE hazard you think is the HIGHEST threat to your neighborhood.

Respondents strongly indicated that earthquakes are the highest hazardous threat to their neighborhood. Drought and excessive heat were the second and third highest indicated.



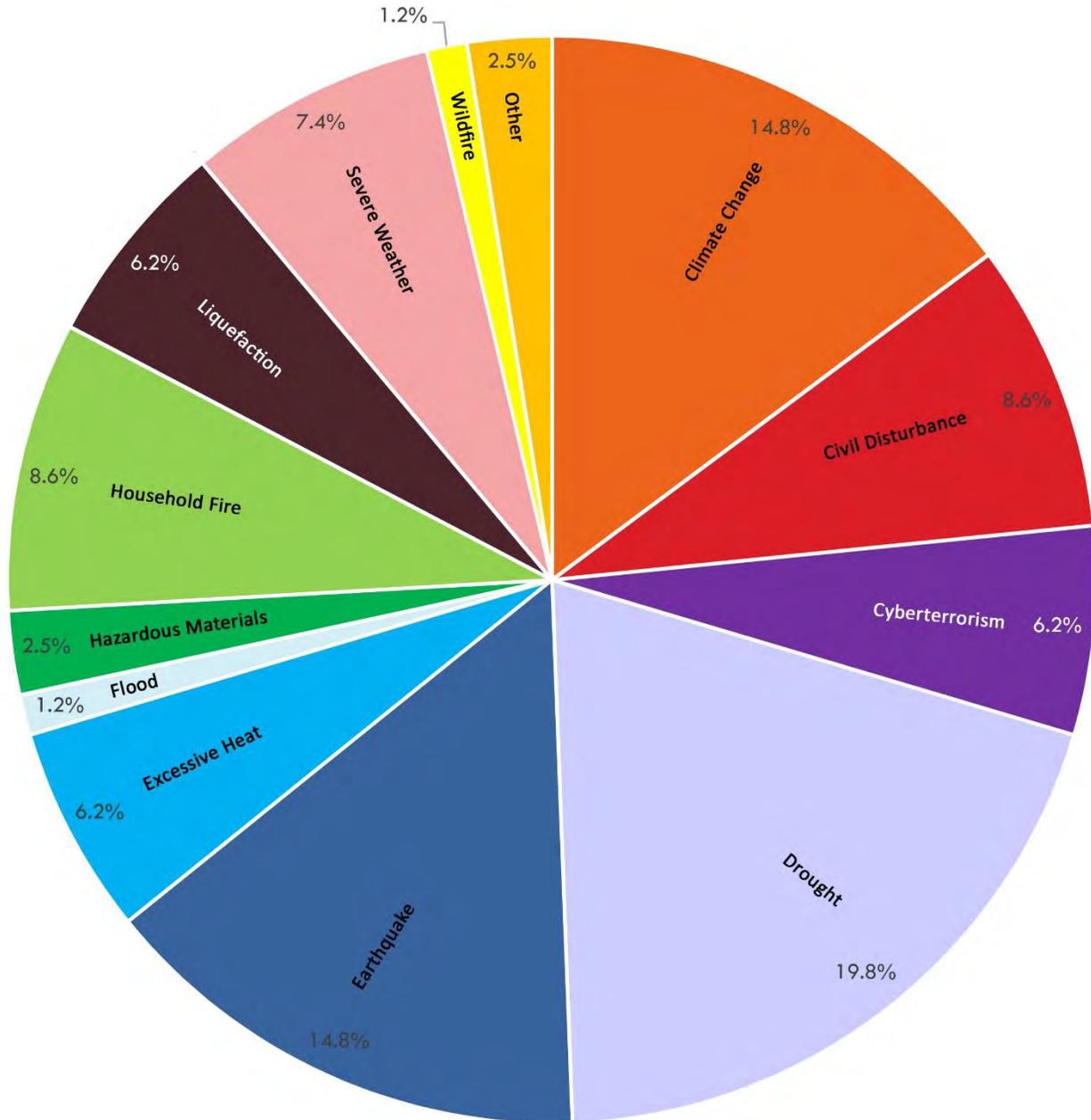
Additional Comments:

- Trees falling
- Police abuse!
- Power failure/rolling blackouts
- fracking side effects, - exposure to natural no odor gases
- liquefaction listed 2x
- PXP fire or explosion - could lead to a situation like Tianjian

**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

Question 7: Select the ONE hazard you think is the SECOND HIGHEST threat to your neighborhood

Respondents indicated that drought, climate change, and earthquakes were the second highest threat to their neighborhood.

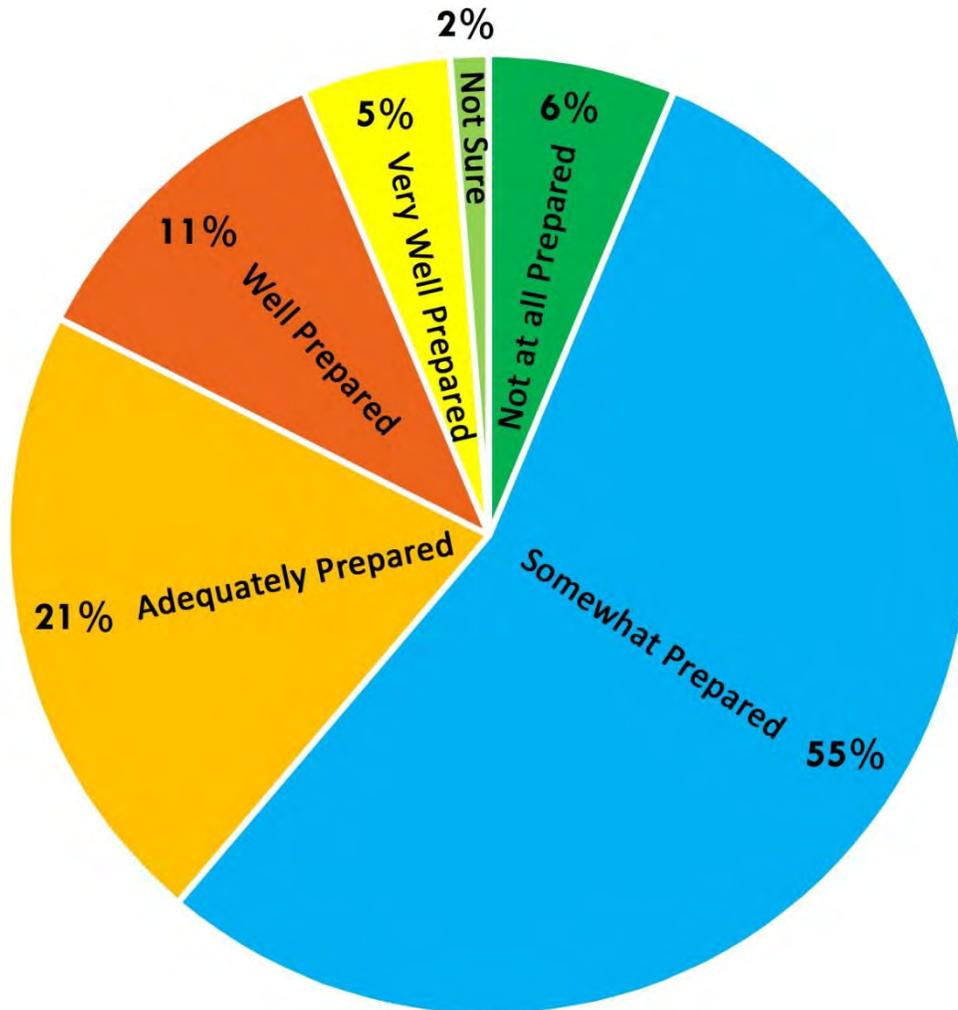


Additional Comments:

- Excessive heat
- The side effects of fracking

Question 8: How prepared is your household to deal with a natural hazard event likely to occur in Culver City?

A majority of respondents indicated that they were Somewhat Prepared or Adequately Prepared for a natural hazard.

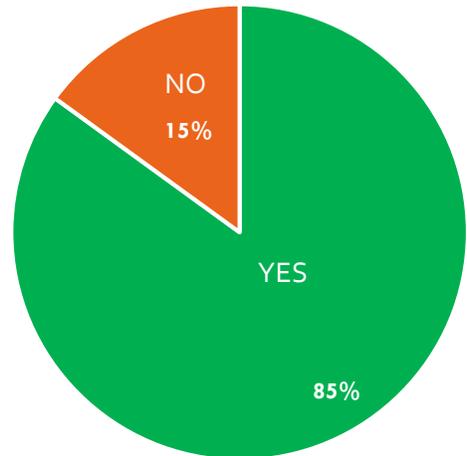


Question 9: Have you taken actions to make your home, business, or neighborhood more resistant to hazards (such as anchored furniture and service utilities, functioning smoke detectors, regularly trimmed trees, etc.)?

A majority of respondents indicated that they had taken actions to make their home, business, or neighborhood more resistant to hazards.

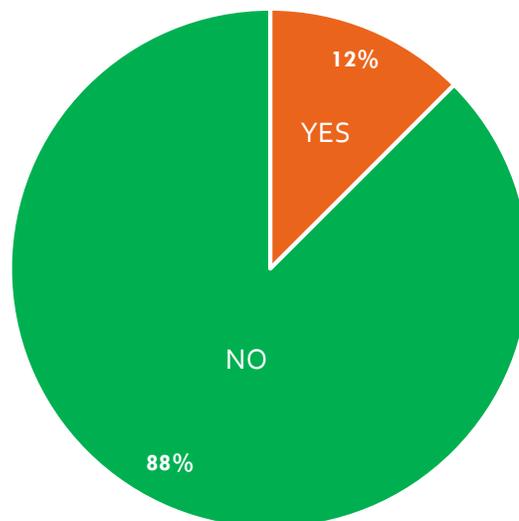
Additional Comments:

- We know we need to prepare, but have only done a small amount toward that.
- Security systems
- Somewhat
- Some but not all
- Culver city could trim our ficus trees
- All of the above, plus I have taken a CERT course.



Question 10: Do you have any special access or functional needs (disabled, require medical care, oxygen, limited English proficiency) within your household that would require early warning or specialized response during disasters?

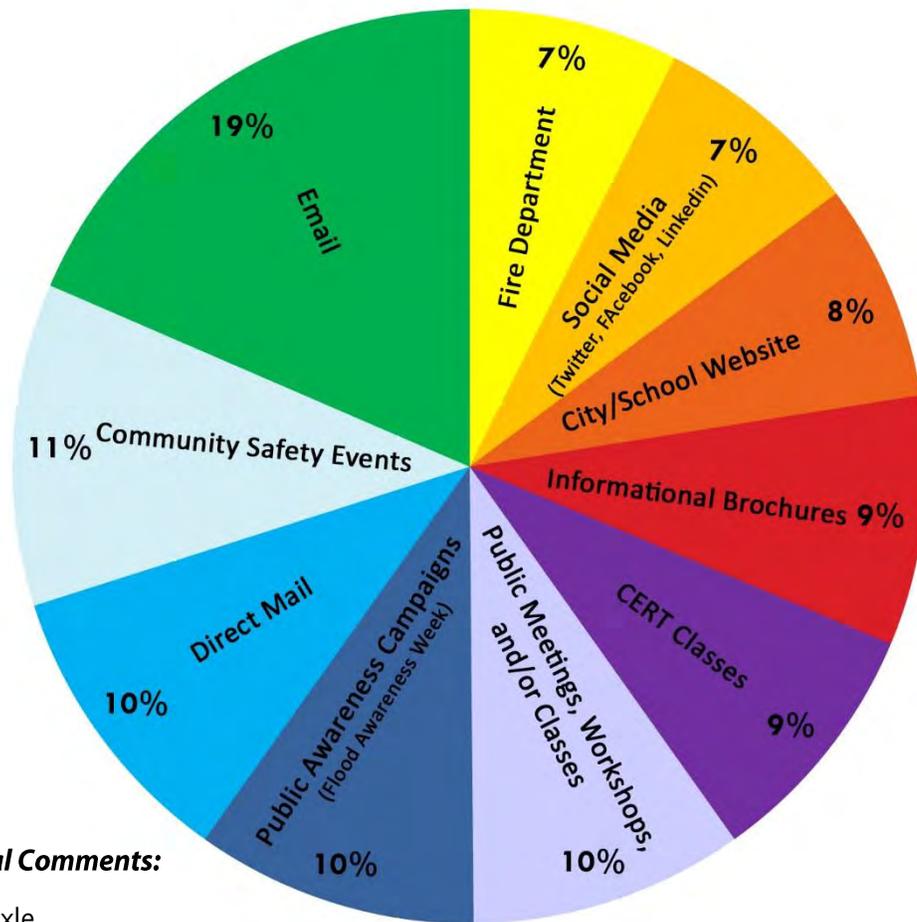
Most survey respondents indicated that they had no special access or functional needs that would require early warning or specialized response during disasters.



Question 11: What are the MOST EFFECTIVE ways for you to receive information about how to make your home and neighborhood more resistant to hazards (check all that apply)?

Responses to the most effective ways that respondents would like to receive information was fairly dispersed between the options provided, with Email being the most preferred option. The following are the ten most highly ranked options:

1. Email
2. Community Safety Events
3. Direct Mail
4. Public awareness campaigns
5. Public meetings, workshops, and/or classes
6. CERT classes
7. Informational brochures
8. City/school website
9. Social media (Twitter, Facebook, LinkedIn)
10. Fire department



Additional Comments:

- Nixle
- Reverse 911 calls
- Recorded phone messages
- Text message
- Local hospital and doctors' offices

**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

Question 12: How much money would you be willing to spend at one time to protect your home or business from natural hazards? (For example, by replacing flammable roofing material, performing seismic upgrades, greywater systems, etc.)

In terms of spending money on protecting homes and businesses from natural disasters, responses were across the board. About one-third of respondents indicated that they would spend less than \$1,000 to protect their home or business, while 25 percent indicated that they would spend between \$2,500 and \$4,999.



Question 13: How much money would you be willing to spend each year to protect your home or business from natural hazards in the form of flood and/or earthquake insurance?

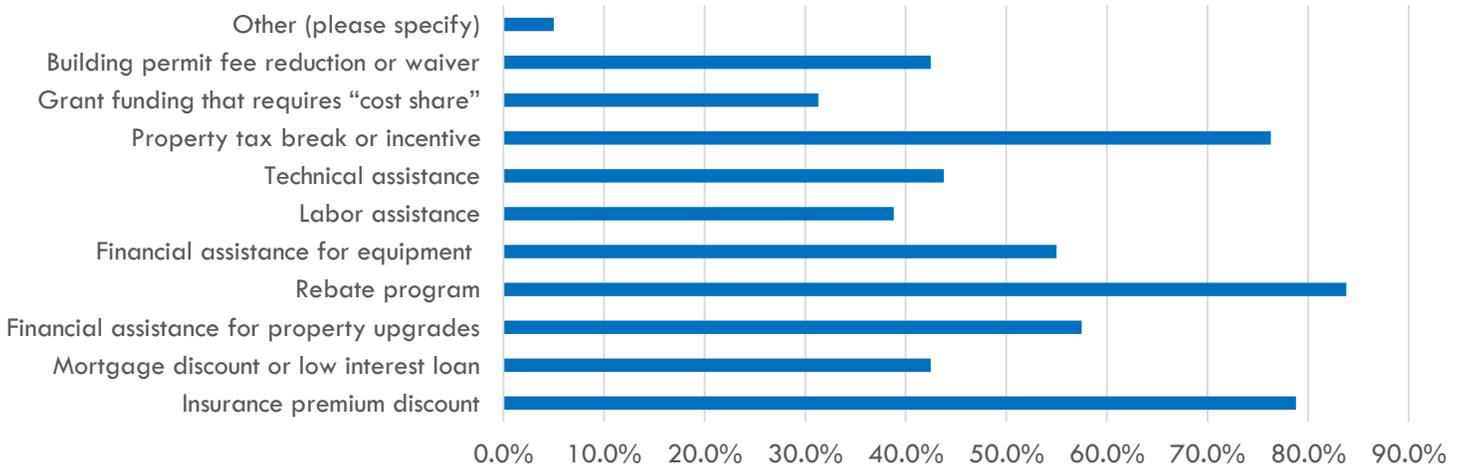
In terms of spending money in the form of flood and/or earthquake insurance, half of respondents indicated that they would spend less than \$499 per year. Of the remainder, 18 percent indicated that they would spend \$750 to \$999.



**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

Question 14: What of the following incentives would encourage you to protect your home or business against natural hazards? (check all that apply)

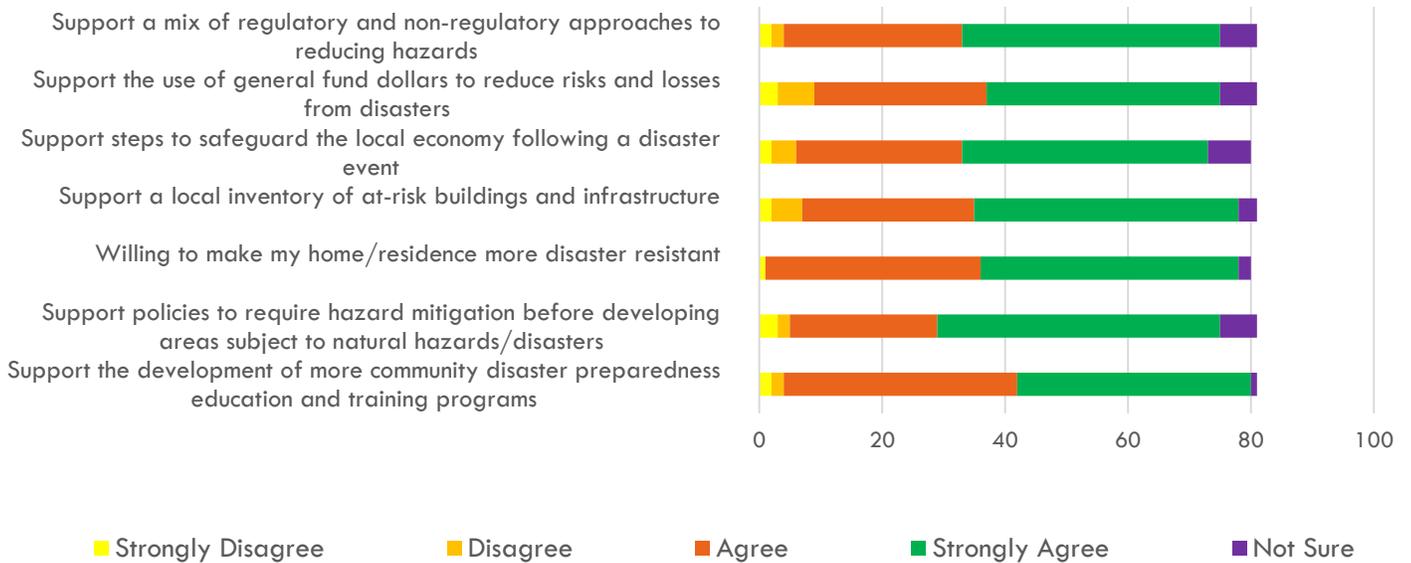
Rebate programs, insurance premium discounts, and property tax break or incentives were the highest rank options for encouraging participants to protect their home or business against natural disasters.



**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

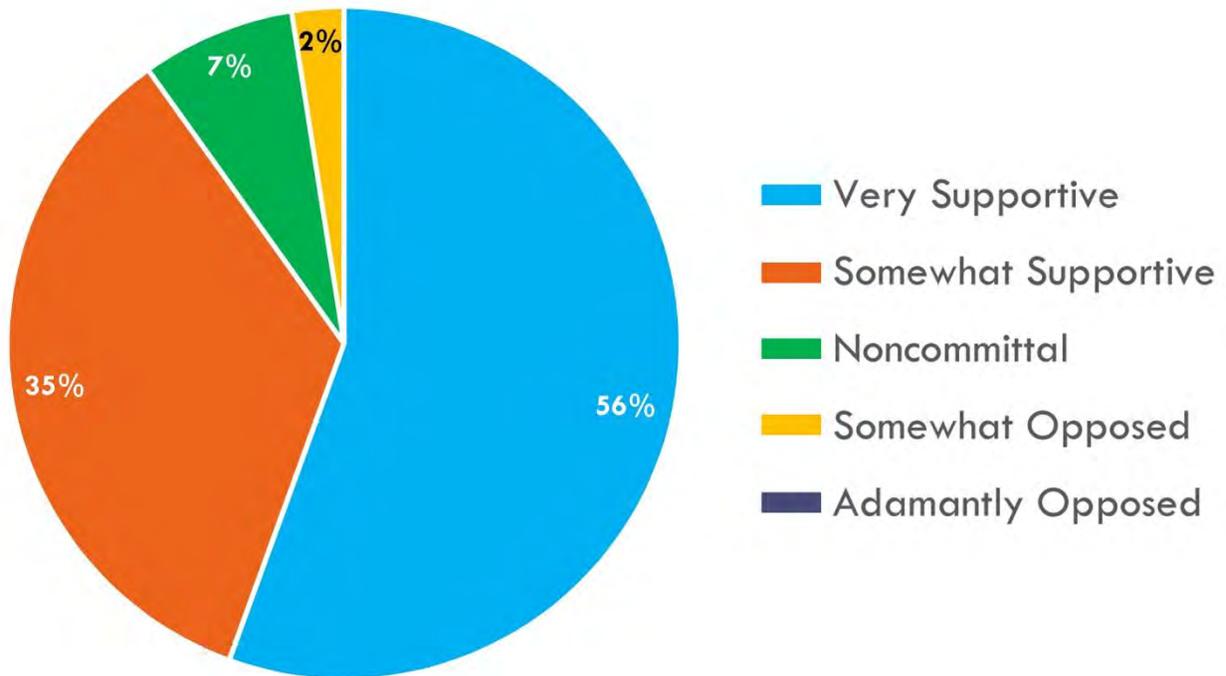
Question 15: In the following statements, check the box that best describes your opinion (Please check ONE answer for each statement). This information will assess community beliefs on developing hazard mitigation programs and strategies.

Responses on opinions regarding hazard mitigation strategies were mixed. A greater number of respondents would support policies to require hazard mitigation before developing areas subject to natural hazards/ disasters. Yet no option had the majority of responses



Question 16: How supportive are you of land use regulations within known high hazard areas aimed at mitigating their impacts (e.g., wildfires, floods, earthquakes)?

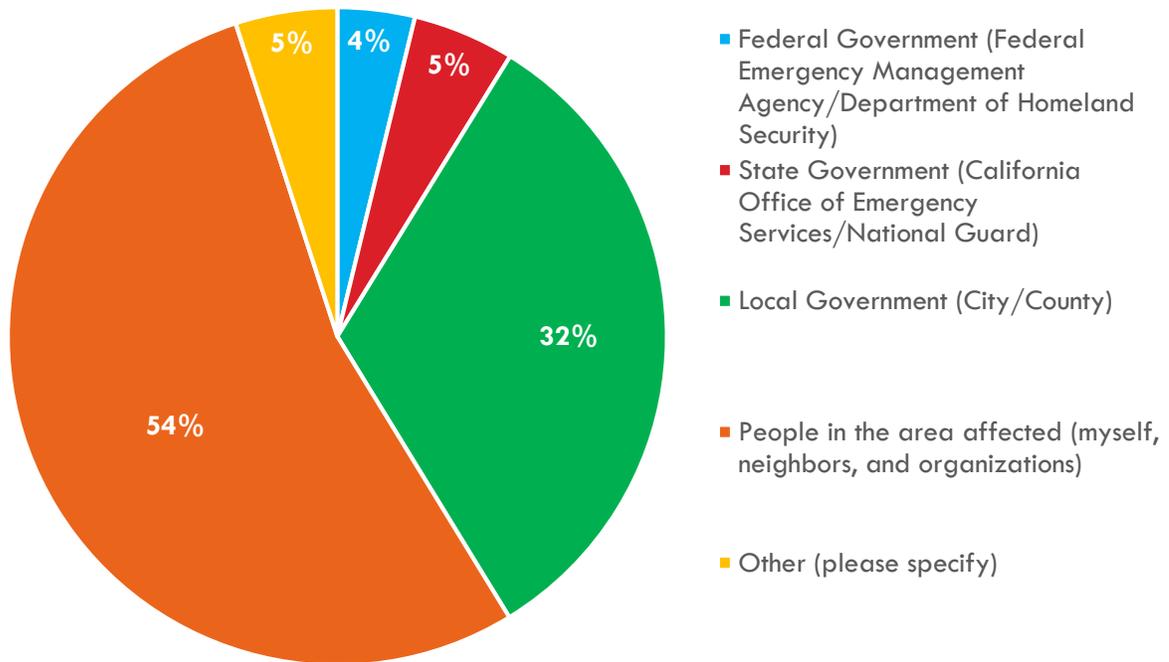
Participants who responded to the survey were very supportive of land use regulations within known high hazard areas aimed at mitigating impacts. Over 90 percent of respondents were either Somewhat Supportive or Very Supportive.



**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

Question 17: Who do you think has the primary responsibility for helping people during the first twelve hours after a strong earthquake or other natural disaster?

A majority of respondents indicated that they believed people in their neighborhood had the primary responsibility for helping after a natural disaster. The second highest response was Local Governments.



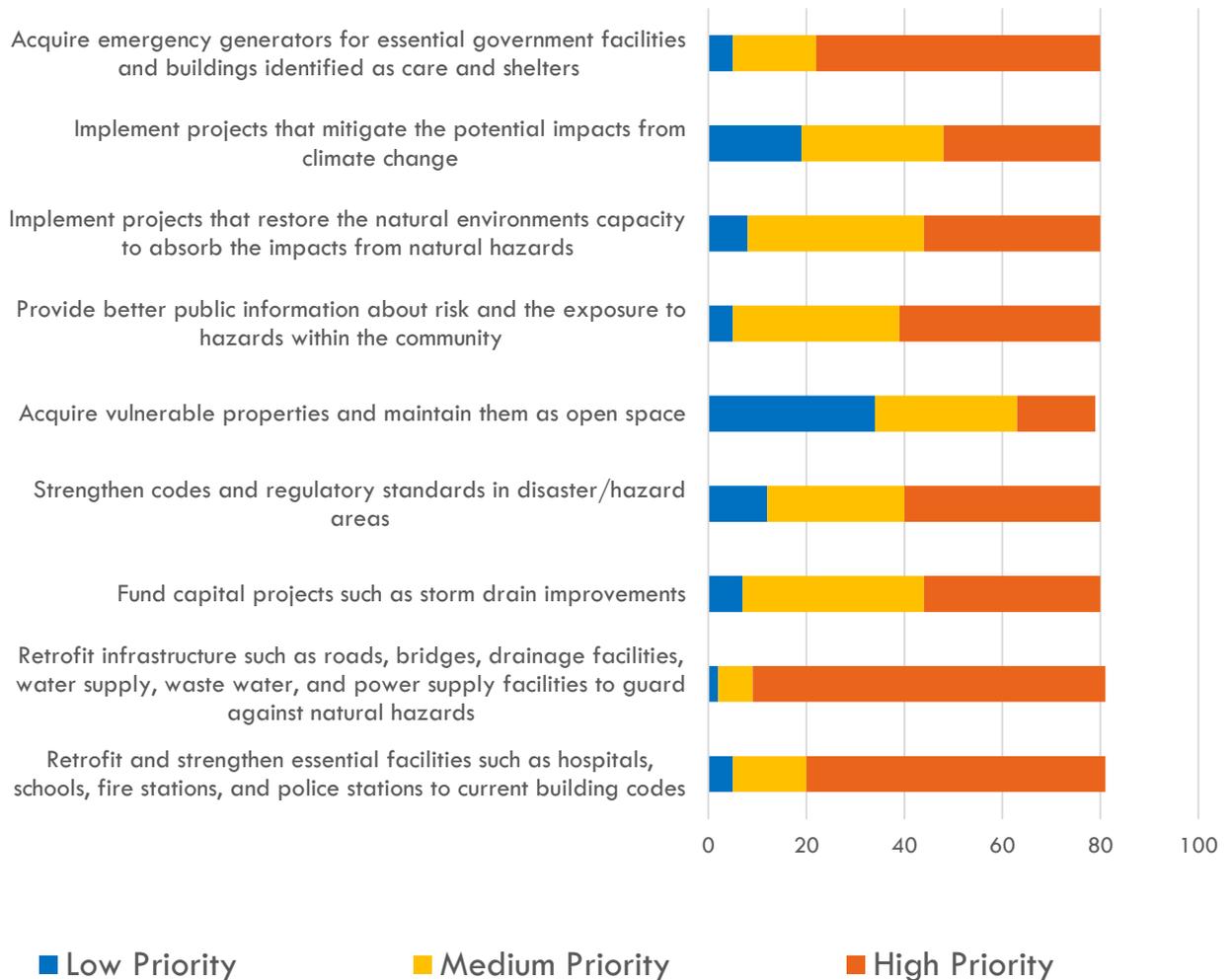
Additional Comments:

- Of course people in the area would be helping one another, but we'd all be dependent on local services coming to our aid.
- All of these groups are responsible for working together
- Katrina has taught us we are on our own
- Both city government and neighbors

**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

Question 18: What types of projects do you believe the City of Culver City, County, State, or Federal agencies should be doing in order to reduce damage and disruption from natural disasters within Culver City? Please check ONE option for each potential project.

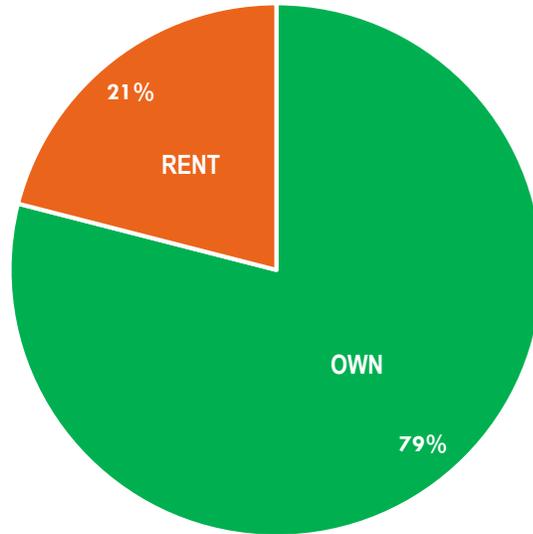
Respondents indicated that they would choose retrofitting infrastructure to guard against natural hazards. Retrofitting essential facilities and acquiring emergency generators for essential government operations were ranked next.



Additional Comments:

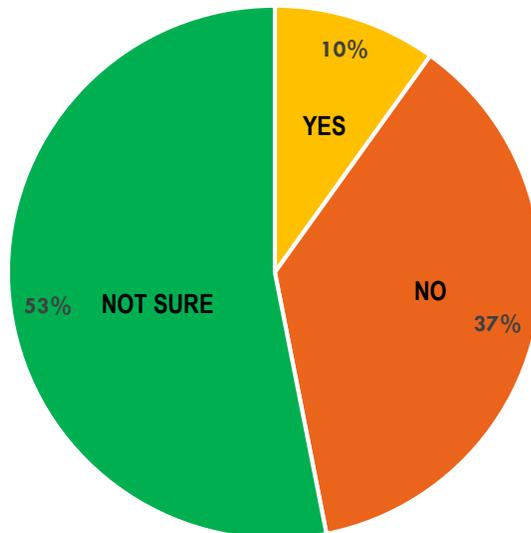
- I actually think they're all high priority, but some seem more immediate than others
- Keep roads open so that we can drive to safe areas
- Identify and create safety net programs for elderly + disabled

Question 19: Do you own or rent your home or business?



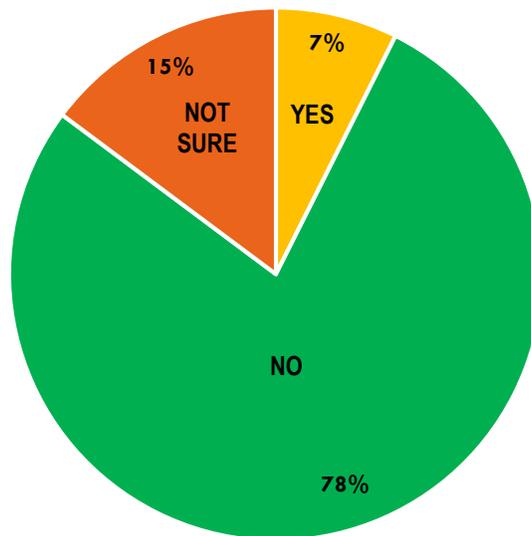
Question 20: Is your home or business located in or near a FEMA designated floodplain?

Most respondents were unsure of whether they lived near a FEMA designated floodplain, and just over one-third responded that they did not live near a floodplain.



Question 21: Do you have flood insurance?

Over half of survey participants responded that they were not sure whether they had flood insurance. Of those who responded that they did not have flood insurance, several indicated that they did not live in a floodplain or were unsure of whether they were in a floodplain. Others noted that the risk was not high enough to justify the cost.



Additional Comments:

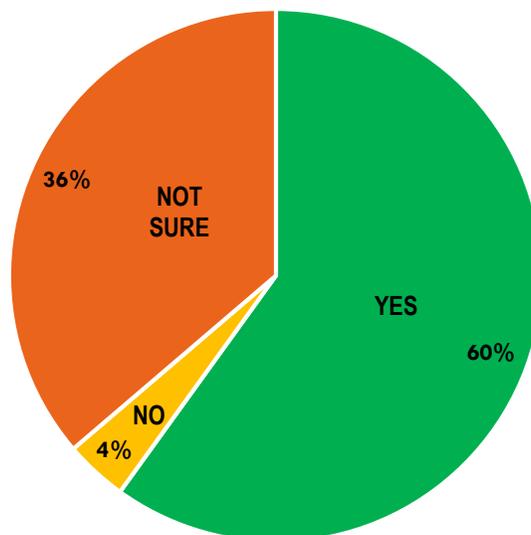
- We do not have renters insurance, I assume our landlords have flood insurance as the homeowners, but don't know for sure.
- Not in a flood plain
- Money
- Do not live in a flood plain area. Live on middle part of a hill in Culver Crest
- Too expensive
- I don't think I'm in a flood zone
- 2nd floor of a condo project. If the flood gets to me it will be biblical.
- Not cost effective during droughts.
- I do not believe that my home is likely to be damaged in a flood.
- haven't thought about needing it
- not sure if we need coverage
- Do not think I need it as do not believe I am in a flood plain
- I don't live in an area that would flood
- Poor risk/reward ratio
- Don't know how to go about getting it
- I am not sure of my areas risk for flooding
- Live on third floor in condominium complex
- not required and lower priority

City of Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

- We are outside the flood zone for Ballona Creek, Tsunami, and all damn failure zones
- not needed
- Property is not in a likely floodzone.
- Not worried about flood.
- Not in a flood plane
- Cost & think insurance won't pay after a disaster, i.e., Northridge Earthquake
- Not residing in a designated potential flood area.
- Live near the creek, but I don't think that counts as a flood plain.
- not flood zoned
- It is WAY to expensive compared to the risk. I was born in L.A. and have never heard of a flood.
- Not required, to my knowledge
- Not too worried about a flood near my home
- We are adjacent but not in the flood plain from Ballona Creek.
- Low risk
- Does not feel necessary where we are.
- FEMA will take care of us if a major flood happens
- Not my business.
- Lack of clarity of flood risks when 1 mile from ballona creek
- Up to this year didn't need. May need now due to monster el nino

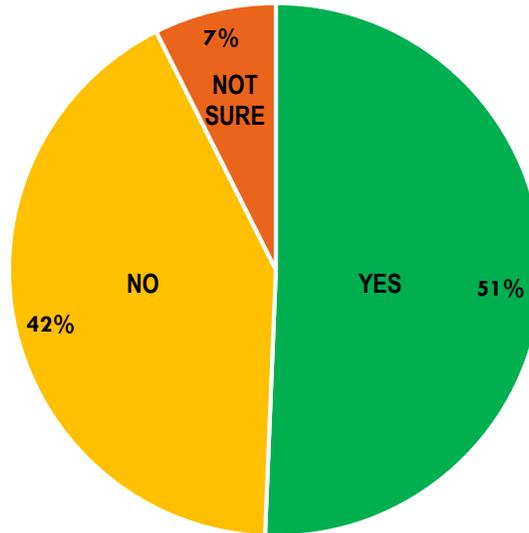
Question 22: Is your home or business located near an earthquake fault?

Most participants responded that their home or businesses was located near an earthquake fault, while over a third indicated that they were unsure.



Question 23: Do you have earthquake insurance?

Half of the respondents noted that had earthquake insurance, while a large portion of participants indicated that they did not have earthquake insurance. Of those who do not have earthquake insurance, most people who provided additional comments indicated that the insurance premiums were too high to justify the cost.



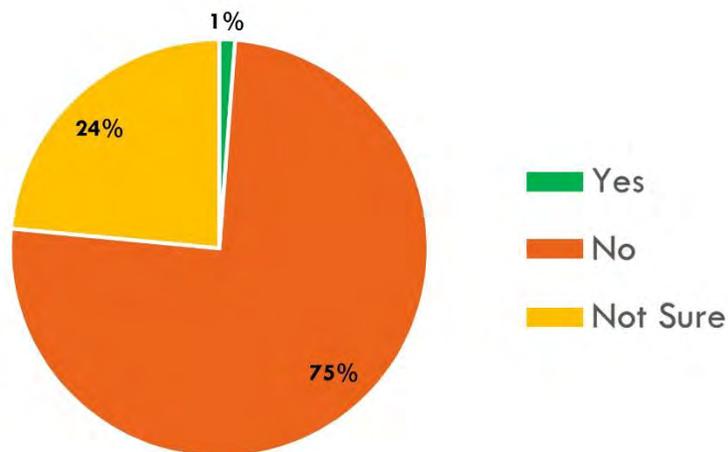
Additional Comments:

- We do not have renters insurance, I assume our landlords have earthquake insurance as the homeowners, but don't know for sure.
- Can't afford the premiums! We don't have extra money sitting around. We live check to check - we're happy to not be homeless.
- Too expensive and doesn't provide enough coverage
- Condo policy covers the building. Personal property insurance covers inside the unit.
- The size of the deductible for earthquake insurance is too high to make the plan worth it.
- Cost and not sure if it would be able to pay out for a big earthquake but may buy it anyway
- partially covered under association policy
- cost
- Very expensive and the deductible is too high.
- Too expensive.
- My home isn't worth the cost to fix it
- Cost & think insurance won't pay after a disaster, i.e., Northridge Earthquake
- Never severe enough
- Cost vs. the amount of damage required in order for the earthquake insurance to be used.
- The deductible is \$59,000, my house is retrofitted and has been through 3 earthquakes no damage.
- Cost and does it really cover the cost if my house is red tagged?

City of Culver City & Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan

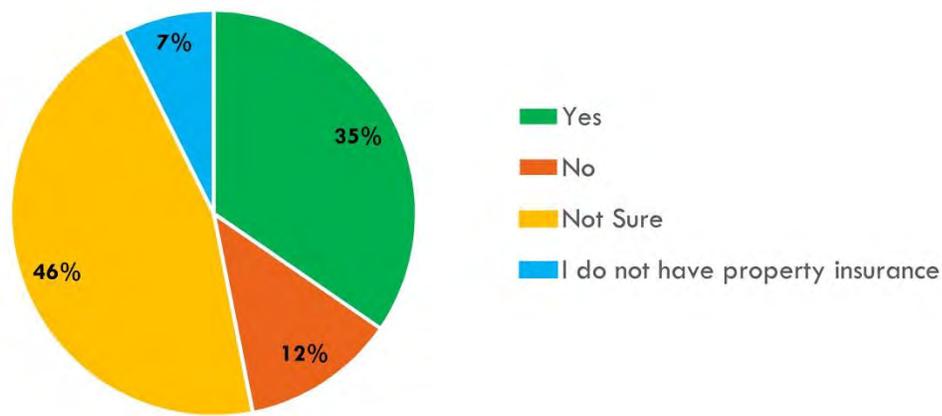
- Too expensive
- High deductible; expect earthquake to impact many homes and trigger federal assistance
- Not my business.
- Too expensive and house is structurally sound.
- Retrofitted household, other preparations

Question 24: Is your home or business located in an area at risk for wildfires?



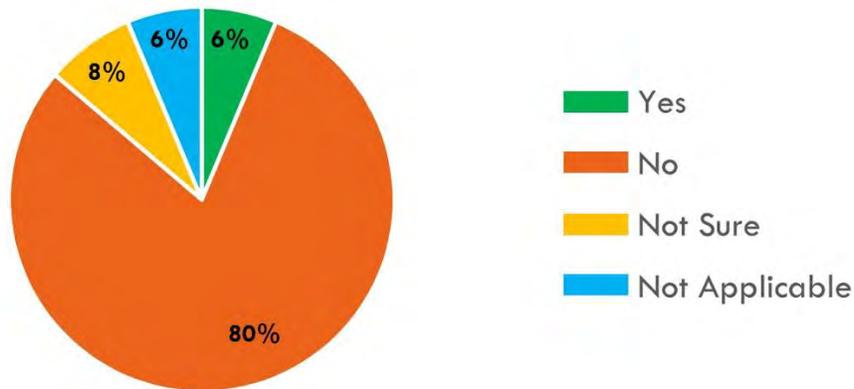
Question 25: Does your homeowner, renter, or property insurance policy provide coverage for damage from natural hazards?

A majority of respondents were either unsure of whether their insurance provides coverage for damage from natural hazards, did not have coverage, or did not have property insurance. 35 percent of respondents are covered for damage from natural hazards.



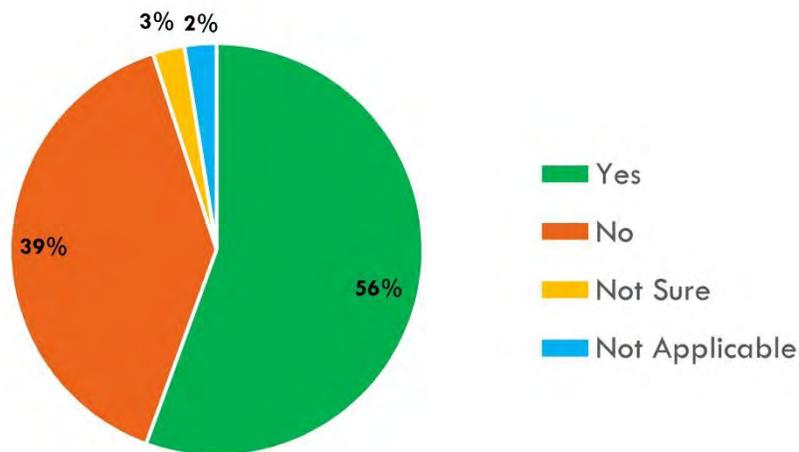
Question 26: Have you ever had problems obtaining homeowner, renter, or property insurance due to risks from natural disasters?

Few respondents have ever had problems obtaining homeowner, renter, or property insurance due to risks from natural disaster. Only 6 percent of those who responded to the survey reported having problems relating to insurance for natural disasters.



Question 27: When you moved into your home, did you consider the impact a natural hazard event could have on your home?

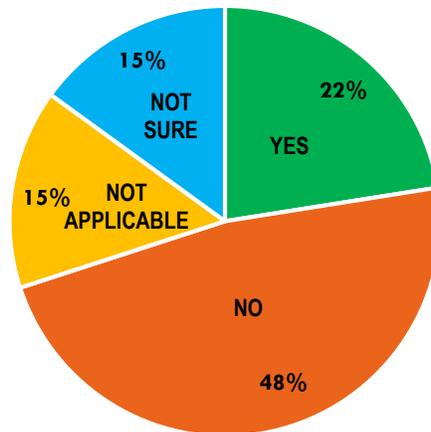
A majority of survey participants considered the impact natural hazards could have on their home when they moved into it. 39 percent did not consider the impacts.



**City of Culver City & Culver City Unified School District
Multi-Jurisdictional Hazard Mitigation Plan**

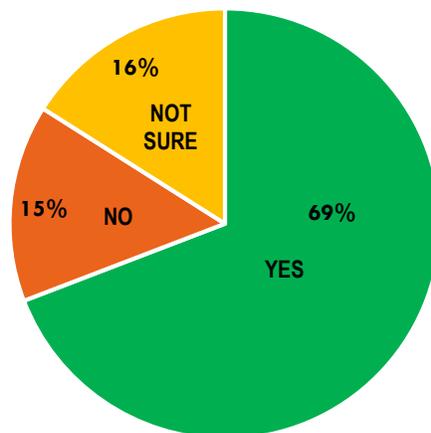
Question 28: Was the presence of a natural hazard risk zone (for example, wild fire area or flood zone) disclosed to you by a real estate agent, seller or landlord before you purchased or moved into your home?

A large percentage of respondents either did not receive information about the presence of a natural hazard risk zone from their real estate agent, seller or landlord, or were unsure of whether they had.



Question 29: Would the disclosure of this type of natural hazard event risk information influence your decision to buy or rent a home?

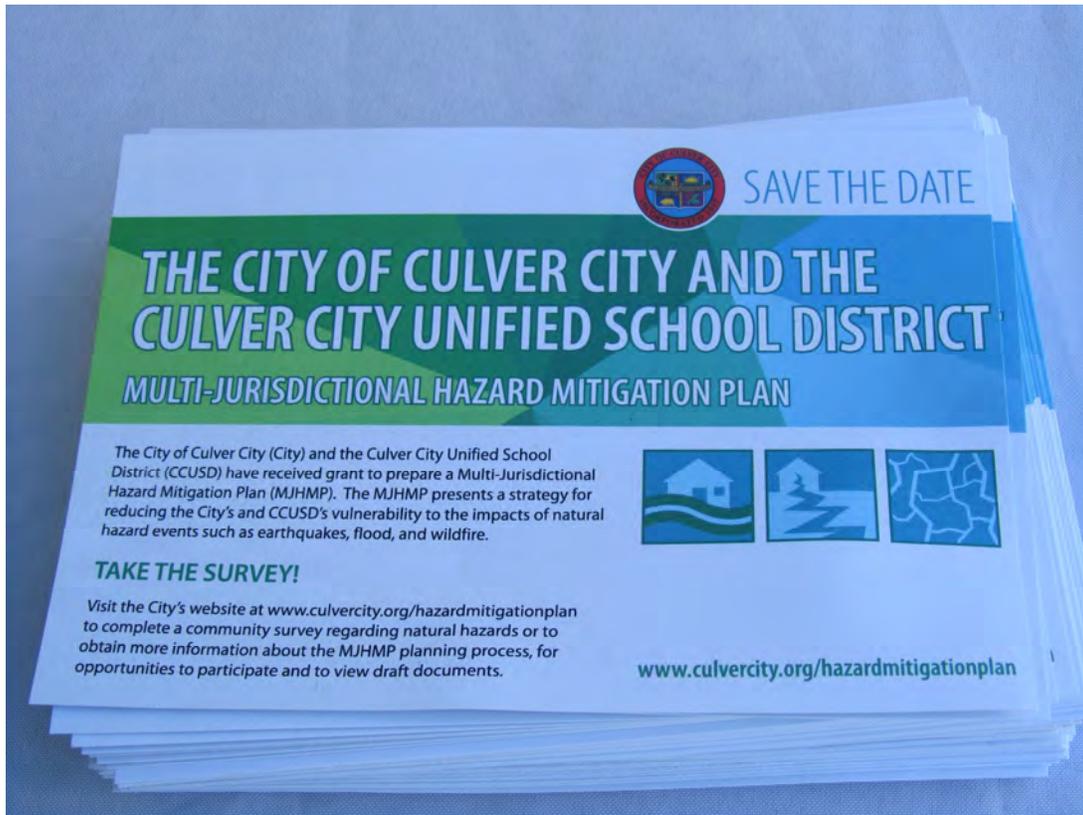
Relating to Question 28, almost 70 percent of participants indicated that if they were disclosed information about a natural hazard risk it would affect their decision to buy or rent a home.



Question 30: Please utilize the space below to provide any additional comments regarding local natural hazards, disasters, and preparedness.

- Streets need to be cleared to allow people to go to other cities to find shelter with friends or relatives, police need to prevent looting
- Storm water drainage systems should be at peak efficiency and cleaned out periodically.
- I would strongly support a local ordinance requiring every home to be equipped with 64 oz of stored water per resident per day for 5-10 days. This could prevent looting, home invasions, violence, etc. in case of a water emergency which seems inevitable given the drought, the state of the infrastructure and the lack of preparedness for this. How can this idea be quickly brought before the City Council???
- I am really glad you are doing this! Thank you! Not sure if you can help with this, but I would like information on who to contact regarding the planes now flying over Culver City – EMAIL DELETED FROM PUBLIC VERSION.
- Would like to have maps of floodplain, earthquake faults, liquefaction areas etc. easily/widely available for Culver City. Would like to have a way to easily identify handicapped/elderly in the event of any disaster- window sign/ sticker etc. to let others/ rescuers know.
- I think it would be a great idea to have an earthquake day. Where schools, businesses, and volunteers went through the steps of helping each other in the event of a large scale earthquake. Where to go, what to do without cell phones, etc. etc.
- I moved west of the 405 to be out of the tsunami zone... I am more concerned about the effects of living next to the largest urban oil field in the world... that practices fracking. I have had the petroleum field workers outside of my home looking for something several times but never talking to me. Weird right?
- This survey was completed by a Culver City CERT member.
- I'm very pleased to see the city of Culver City taking these proactive steps to address such an important topic as preparedness for disasters.
- Thank you for working to collect our opinions and to work at making us all safer.
- Real estate agent did cover flood risk and informed us that we are not in a flood plain.
- I put excessive heat but think that is the local consequence of climate change. Concerned about elderly with excessive heat and no air conditioning or losing power to air conditioning.
- I am only aware of the probability of an earthquake
- I recently attended a lecture by Dr. Lucy Jones on a large-scale earthquake in the LA area. Fascinating but terrifying!
- Evacuation plan, signage and traffic planning for and after disasters + special zoning codes closer to schools. Evacuation walkpath signage in parks especially outlook and culver park
- No-fee permits and tax breaks to seismically retrofit your home.
- Good job. Nice survey. Look forward to the results and responses. :)

Fiesta Ballona – August 30, 2015















SAVE THE DATE

THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.



TAKE THE SURVEY!

Visit the City's website at www.culvercity.org/hazardmitigationplan to complete a community survey regarding natural hazards or to obtain more information about the MJHMP planning process, for opportunities to participate and to view draft documents.

www.culvercity.org/hazardmitigationplan

COMMUNITY WORKSHOP / LEARNING EVENT

When | September 24, 2015

Time | 7:00 pm

**Where | Culver City Senior Center
4095 Overland Avenue
Culver City, CA 90232**

Free parking is available on the premises.

A public meeting/learning event will be held to provide you with an opportunity to learn more about the Multi-Jurisdictional Hazard Mitigation Plan, review the progress achieved up to that point in time, ask questions, and make comments. For more information about the Plan, visit www.culvercity.org/hazardmitigationplan

Save the Date!

If you have any questions, please contact Joe Susca at 310-253-5636 or send an email to: hazardmitigationplan@culvercity.org



STAY INVOLVED!
CULVER CITY AND CULVER CITY UNIFIED SCHOOL DISTRICT MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN COMMUNITY WORKSHOP

NAME	ADDRESS	E-MAIL
Francisco Juarez	10958 BRADDOCK DR.	
Rosa Maritza	Culver City, Ca. 90230	
Christine Parra (steering committee) CCFire		
Charles Herbertson	9770 Culver Blvd. CA	charles.herbertson@culvercity.org
Jane Leonard	9980 Farragut Dr. CA	culvercity.org bjaneleo@yahoo.com

**Culver City and Culver City MJHMP
Community Workshop – September 24, 2015
Workshop Format**

Purpose: Provide the community with information on the MJHMP – what it is, it’s purpose, and requirements. Present a summary/information on the hazards profiled in the MJHMP and provide opportunities for the community to ask questions, offer comments, and prioritize the hazards. Seek community input on opportunities and level of agreement on potential mitigation. Inform the community on the overall schedule and additional opportunities for involvement.

Time: 7:00 pm – 9:00 pm

Activity	Estimated Timeframe	Notes
Sign-in/Registration	7:00 – 7:15	After signing in, participants can walk around the room to review the hazard profiles and participate in the exercises.
Transition	7:15 – 7:20	
Presentation	7:20 – 7:45	Overview of the MJHMP – what it is, purpose, & requirements. Provide an overview of the schedule, importance of community input, and opportunities for involvement throughout the process. Provide an overview of the hazards being profiled in the MJHMP and explain the format/activities for the evening and next steps.
Transition	7:45 – 7:50	
Open House/Stations	7:50 – 9:00	Participants can walk around to view the hazard information, ask questions, provide comments, and participate in the input activities.

Stations:

1. Sign-In/Registration Table – inside door (or just outside entrance to room)
 - a. Sign-in sheets
 - b. Registration packet
 - i. Agenda for the evening
 1. Instructions and materials to participate in the exercises
 2. Website link
 - ii. Fact sheet (8.5x11)

1. MJHMP – summary
 2. Hazard profiles (brief summary/history)
 - iii. Survey – clip boards/surveys/pens
2. Food Table – inside room near door
 - a. Cookies
 - b. Water/coffee
 - c. Napkins
 3. Kids’ Table – inside room
 - a. Coloring pages and supplies
 - b. Kids emergency safety materials
 4. Presentation
 - a. Table for laptop/projector
 - b. Screen
 - c. Microphone (?)
 - d. Easel/flip chart/pens – backup if need to write comments/concerns not specific to MJHMP
 5. Hazard Profiles – set-up around the room

Hazard	Map?	Easels	Notes
Drought	No	1	Drought monitor graphic
Seismic Hazards			
- Fault rupture	Yes	2	Map – Local faults, including Alquist-Priolo fault zone
- Ground shaking	Yes	2	Map – Regional Faults – larger southern CA area
- Liquefaction	Yes	2	
- Landslide/mudflow	Yes	2	
Wildfire	Yes	2	
Severe Weather		1	Text of hazard/history/issues
- Windstorm	No		
- Heavy rains			
Flood	Yes	2	
All maps with exception of Regional Fault map with include critical facilities Materials at each station:			
- Maps/boards on easels			
- Post-its around maps/boards for comments			
- Pens			

6. Prioritization of Hazards – 1 easel
 - a. Board with all hazards listed
 - b. Using sticky dots, community votes on their top three hazards of concern

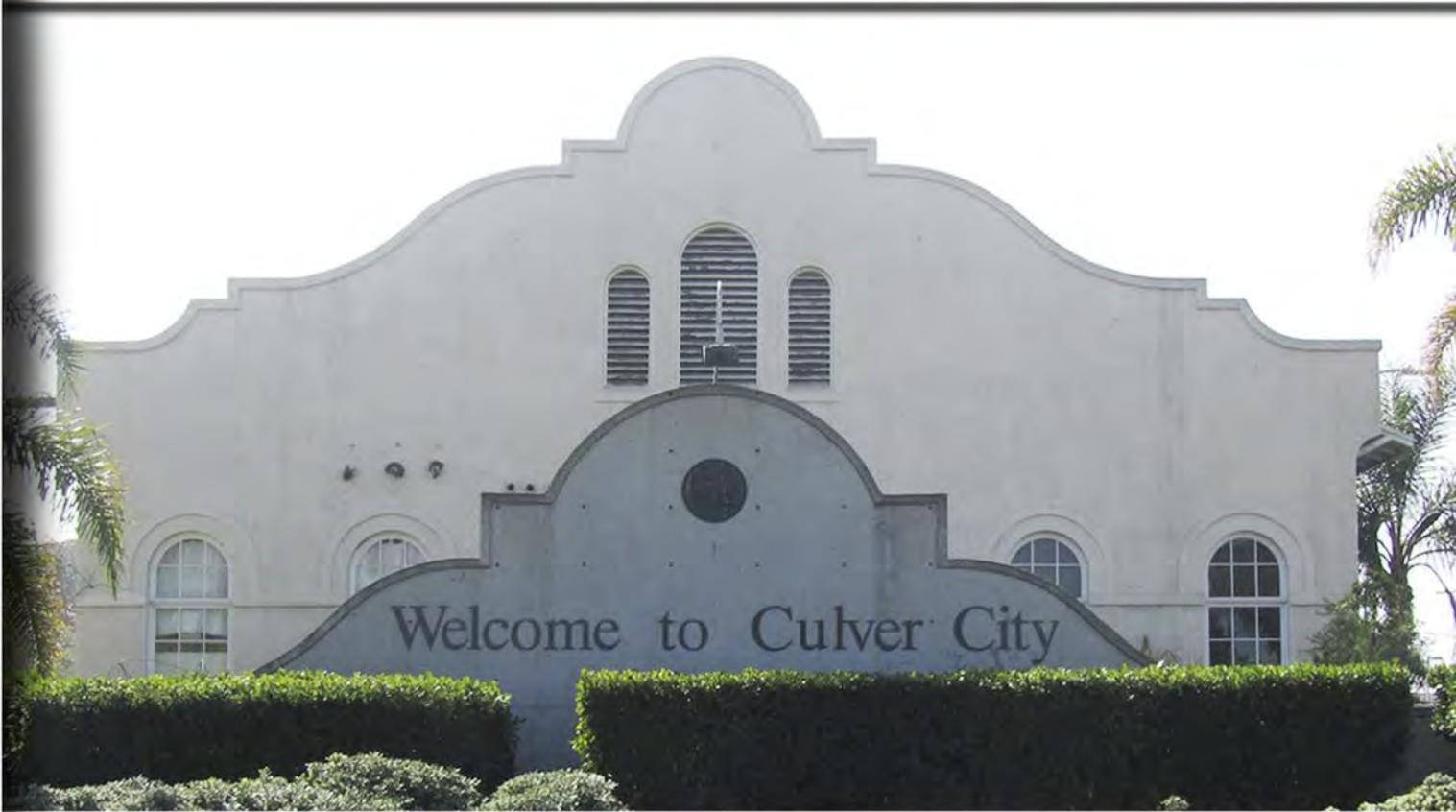
7. Level of Agreement – 2 easels
 - a. With red and green sticky dots, community will provide their level of agreement on mitigation programs/strategies and types of projects

8. Comment Board – 1 easel
 - a. Post-it notes will be available for any additional comments/input

Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan Community Workshop



September 24, 2015



Michael Baker
INTERNATIONAL

Presentation Overview

- Welcome and introductions
- What is hazard mitigation and mitigation planning?
- Why are we preparing a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP)?
- What's in the MJHMP?
- What are we doing here tonight?
- What's next?

What is Hazard Mitigation Planning and Mitigation Planning?

What is Hazard Mitigation?

- Sustained actions taken to reduce or eliminate long-term risk to life and property from hazards

What is a Hazard Mitigation Plan?

- Identifies the natural hazards a community faces,
- Assess the vulnerability to the hazards, and
- Identifies specific actions that can be taken to reduce the risk from the hazards.

Why are We Preparing a Multi-Jurisdictional Hazard Mitigation Plan?

Why are we preparing a MJHMP?

- To reduce losses from natural hazards
- To make our community more “disaster resistant”
 - Speed disaster recovery and redevelopment
- Reduce burden on local governments and tax payers
- Maintain eligibility for federal funds for pre-disaster mitigation planning

A Hazard Mitigation Plan demonstrates the jurisdiction’s commitment to reducing risks from natural hazards and serves as a guide for decision-makers as they commit resources to minimize the effects of natural hazards.

What the MJHMP Provides

- A comprehensive assessment of risk to support proposed mitigation strategies
- Detailed action plan the City/CCUSD will implement to reduce risk to natural hazards
- Access to Federal mitigation funding
- Support of other City/CCUSD programs and initiatives
- Coordination of mitigation efforts

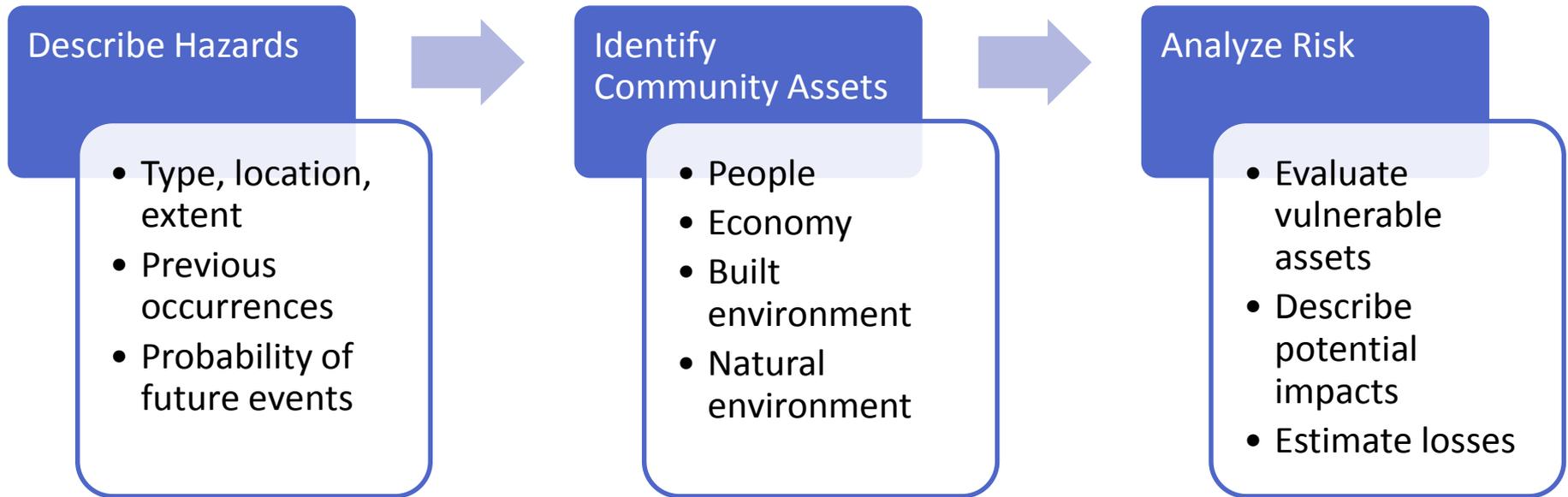


What is in the MJHMP?

MJHMP Planning Process



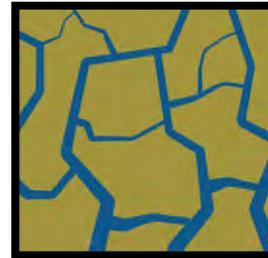
Hazard Identification and Risk Assessment



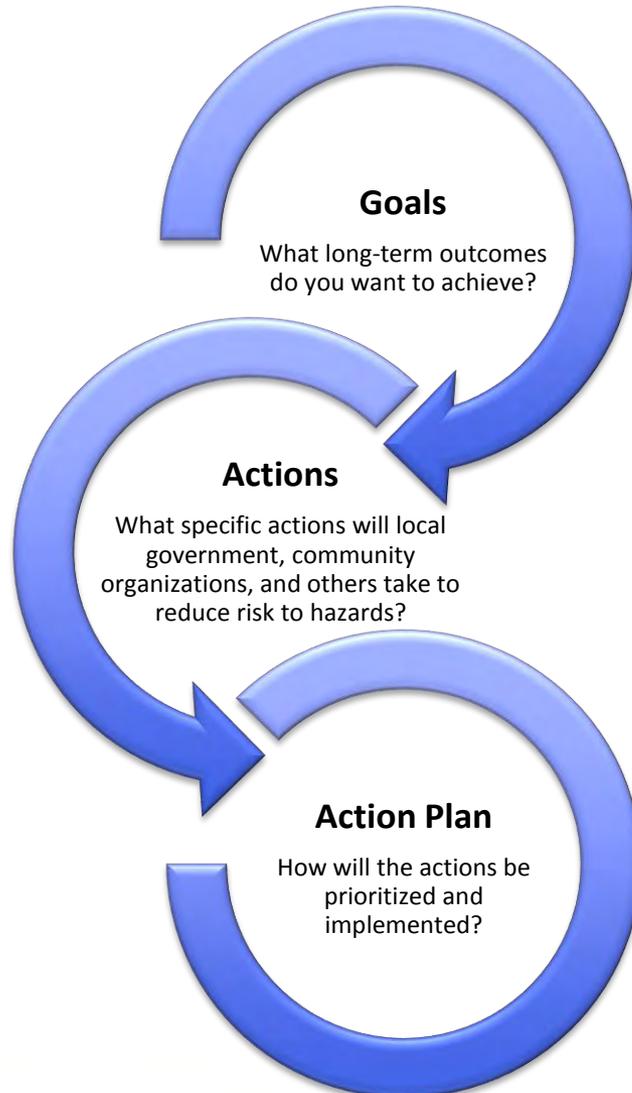
Summarize and Document Risk Assessment

Natural Hazards Being Evaluated

- Drought
- Seismic Hazards
 - Earthquake Fault Rupture
 - Ground Shaking
 - Liquefaction
 - Landslide/Mudflow
- Wildfire
- Severe Weather
 - Windstorm
 - Heavy rain
- Flood



Mitigation Strategy



- Evaluate and prioritize goals and mitigation actions to reduce or avoid long-term vulnerabilities associated with each hazard

Types of Hazard Mitigation

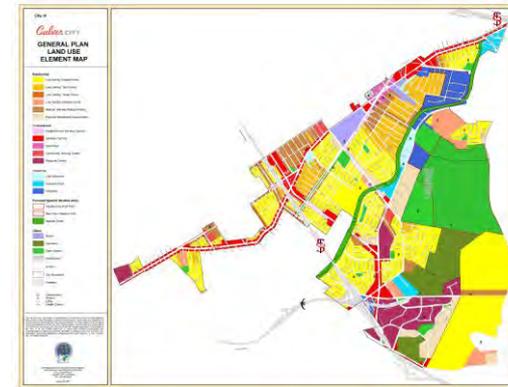
- Local plans and regulation
 - Government authorities, policies or codes that influence the way land and buildings are developed and built
- Structure and infrastructure projects
 - Modify existing buildings and infrastructure to protect from hazard or remove from a hazard area
 - Construct structures to reduce the impact of hazards

Types of Hazard Mitigation

- Natural Systems Protection
 - Minimize damage by preserving and restoring functions of natural systems (dunes, floodplains, and wetlands)
- Education and Awareness Programs
 - Inform and educate citizens, elected officials, and property owners about hazards and ways to mitigate

Mitigation Examples

- Local plans and regulations
 - General Plan
 - Zoning ordinances
 - Subdivision regulations
 - Building codes
 - Capital improvement programs
- Structure and infrastructure projects
 - Acquisition, relocation, elevation of flood-prone structures
 - Levees and floodwalls
 - Seismic retrofitting
 - Strengthening critical facilities
 - Burying utility lines
 - Stormwater diversion, retention, or detention



Mitigation Examples

■ Natural Systems Protection

- Floodplain protection
- Wetlands preservation
- Coastal or riverine setbacks
- Sediment and erosion control
- Forest and vegetative management



■ Education and Awareness Programs

- Risk communication
- Websites – information and maps
- Training courses
- Community outreach projects
- Presentation/education materials to school groups and organizations



nixle



What are we doing here tonight?

Why are we here?

- We want to hear from you!
 - Complete the survey
 - Visit the hazard stations
 - *Review maps/information*
 - *Provide comments on Post-it notes*
 - Visit the activity stations
 - *Use sticky dots to prioritize the natural hazards and*
 - *Types of mitigation actions that should be considered*
 - Provide any additional comments/input
 - *Post-it notes*
 - *Index cards*

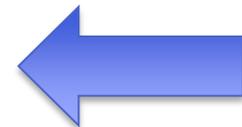
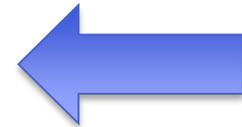


What's Next?

Next Steps

- Upcoming Meetings
 - City Council – October 26
 - School Board – October 27
- Draft MJHMP for Public Review
 - Spring 2016
- Revise Draft MJHMP and submit to Cal OES/FEMA
 - Spring-Sumer 2016
- City Council and CCUSD Adoption
 - Summer 2016

**Continued Opportunities for
Community Input**



On-going website updates and emails

THANK YOU!!

For additional information and updates:
www.culvercity.org/hazardmitigationplan

Send comments and questions to:
hazardmitigationplan@culvercity.org

or contact:

**Joe Susca, Public Works Department, Senior Management Analyst
at 310-253-5636**

TONIGHT'S PROGRAM

Sign-in/Registration

Please sign in! If you would like to receive future email notifications about the MJHMP, including opportunities to participate and the availability of the Draft MJHMP for review, provide your email address and we will add you to the MJHMP notification list.

If you haven't already done so, please take a few minutes to complete a survey. This survey will help the MJHMP Steering Committee better understand the community's concerns about natural hazards and to identify policies, programs, and projects that can help lessen the impact of future hazard events.

What is the Culver City and Culver City Unified School District Multi-Jurisdictional Hazard Mitigation Plan?

A brief presentation will be provided to learn more about the MJHMP – its requirements and what to expect through the plan development process. The presentation will include an overview of the natural hazards being profiled in the MJHMP and explain the format/activities for the evening and next steps.

Open House and Revolving Stations

Participants can walk around to view maps and information for each hazard identified for evaluation, ask questions, provide comments, and directly participate in identifying mitigation actions.

Hazard Stations

The MJHMP Steering Committee has identified the following natural hazards to be profiled as part of the plan:



- Drought
- Seismic Hazards (Fault Rupture, Ground Shaking, Liquefaction, Landslide/Mudflow)
- Wildfire
- Severe Weather (Windstorm and Heavy Rains)
- Flood

These natural hazards were identified based on the City or surrounding area having characteristics that make it more susceptible to experience or be impacted by the hazard – such as active fault zones; having a documented history of occurrence within or impact on the City; having a higher likelihood of the hazard occurring within or impacting the City in the future, and potential for critical facilities to be directly impacted as a result of the hazard.

Each hazard station provides a display with information specific to the hazard as it relates to Culver City/CCUSD. Stop by each station to review information, ask questions, and provide comments using the post-it notes.

Activity Station

Follow the instructions provided and use the sticky dots to tell us which natural hazards you feel should be prioritized in the MJHMP and what types of mitigation actions should be pursued. Using post-it notes or index cards provide additional comments, ideas, or concerns that we should be aware of.

Thank you for your participation!



THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

COMMUNITY WORKSHOP

Thursday, September 24, 2015

7:00 pm – 9:00 pm

Culver City Senior Center

Thank you for coming to the Community Workshop

Welcome to the Culver City and Culver City Unified School District (CCUSD) Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) Workshop! Tonight we will be providing information on the MJHMP, why we need it, and what is required in the plan. This is also an opportunity for you to ask questions, offer comments, prioritize the natural hazards that could affect the community, and provide your input on potential mitigation actions to reduce the impact of these hazards.

For More Information

For more information about the MJHMP and process, including upcoming opportunities to participate, visit the website at: www.culvercity.org/hazardmitigationplan.

You may also send comments or questions to hazardmitigationplan@culvercity.org or contact Joe Susca, Public Works Department, Senior Management Analyst at 310-253-5636.



NATURAL HAZARDS

A brief overview of the natural hazards, including their history within the City or region and risk of occurring in the future is provided below. More detailed information will be provided in the MJHMP, which will be made available for public review at a future date.



Drought

A drought is a period of drier-than-normal conditions that results in water-related problems. When rainfall is less than normal for several weeks, months, or years, the flow of streams and rivers decline, water levels in lakes and reservoirs fall, and the depth to water in wells increases. If dry weather persists and water-supply problems develop, the dry period can become a drought.

California has experienced numerous severe droughts over the past century. Historically, the Federal Emergency Management Agency (FEMA) has declared one drought emergency for the State (January 1977). From 1972 to 2009, there have been eight State Emergency Proclamations of drought in California. Most recently, the Governor of California declared a state-wide drought emergency on January 17, 2014.

Drought is one of the few hazards that has the potential to directly or indirectly impact each and every person within the larger region, as well as adversely affect the local economy. The impacts would be water restrictions associated with domestic supplies, agricultural losses and economic impacts associated with those losses, economic impacts to tourism and recreation industries, hydroelectric power reductions, increased wildland firefighting costs, and increased costs for water. Due to the historical prevalence of severe droughts in California as well as the severe drought conditions the City and the State are currently facing, there is a high probability of future drought events in Culver City.



Seismic Hazards

Seismic hazards occur when accumulated stress between portions of the earth's crust is released, resulting in sudden ground movement that we perceive as an earthquake. Primary seismic hazards are the direct result of the release of this accumulated stress, and are typically characterized as earthquake fault rupture (displacement of the ground surface at the earthquake site), and seismic shaking (the ground movement itself, which can cause damage a significant distance from the earthquake site). Earthquakes can also cause secondary seismic hazards such as liquefaction and earthquake induced landslides/mudflow.

There are numerous faults in and around Culver City, including the Newport-Inglewood Fault Zone running through the City, the Whittier-Elsinore Fault Zone, and the San Andreas Fault. The Newport-

Inglewood Fault Zone is capable of causing surface rupture within Culver City, and a number of other faults can create substantial ground shaking in the community.

These events can also result in a seismic hazard called liquefaction, which occurs when the force of an earthquake's shaking causes groundwater to mix with the soil. This mixture temporarily becomes a fluid and loses its strength, which may in turn cause buildings and other structures built on or in it to tilt, collapse, or otherwise suffer damage. Earthquakes can also cause landslides, either directly as a consequence of the ground shaking or indirectly when soil loses its structural integrity due to liquefaction.

Four comparatively large earthquakes have occurred around Culver City in recent history:

- In 1933 an earthquake off the coast of Long Beach measured an estimated 6.4 on the moment magnitude scale killed 115 people, largely in southern Los Angeles and Long Beach.
- The 1971 San Fernando earthquake in the San Gabriel Mountains measured 6.5 on the moment magnitude Scale, killing 64 people, and causing extensive damage to freeway structures and buildings.
- In 1987 an earthquake near Rosemead in the San Gabriel Valley, with a moment magnitude of 5.9 killed three people and was widely felt throughout southern California.
- The Northridge earthquake in 1994 measured 6.7 on the moment magnitude scale killing 57 people, causing over 5,000 injuries, and spawning multiple strong aftershocks. This earthquake caused an estimated \$20 billion or more in damages.

Some of the most extensive damage in Culver City occurred as a result of the Northridge earthquake. The Interstate 10 overpasses at La Cienega Boulevard, Venice Boulevard, Fairfax Avenue, and Washington Boulevard, immediately north of Culver City, were significantly damaged and had to be rebuilt.

The California Geologic Survey does not identify any previous instances of liquefaction within the limits of Culver City. There are areas near Culver City, in Santa Monica and Marina Del Ray, with past liquefaction events related to earthquakes. The California Geologic Survey has noted evidence of previous landslides in the Blair Hills neighborhood of Culver City, particularly near the Baldwin Hills Scenic Overlook park.

Culver City is located in a seismically active area. Maps maintained by the California Department of Conservation place Culver City in an area at a high risk of ground shaking. The Newport-Inglewood Fault Zone passes through the northern portion of Culver City. The Newport-Inglewood Fault Zone caused the 1933 Long Beach Earthquake, which was the last major event along this fault. The Southern California Earthquake Center estimates that a future major event along this fault could measure 6.0 to 7.4 on the moment magnitude scale. As a major fault passing through Culver City, it is capable of causing surface rupture in the community.

Most of Culver City is in an area of elevated liquefaction risk. The California Geologic Survey identifies the Blair Hills neighborhood of Culver City as the primary location with an elevated landslide risk.



Wildfire

A wildland fire is a large destructive fire that can spread quickly over woodland or brush. A wildfire is an uncontrolled fire spreading through vegetative fuels. Wildfires often occur in forests or other areas with ample vegetation. In areas where structures and other human development meets or intermingles with wildland or vegetative fuels (referred to as the "wildland urban interface"), wildfires can cause significant property damage and present extreme threats to public health and safety.

Culver City is developed with urban, open space, and park and recreation uses and is located adjacent to other natural open space recreational areas. Wildland fires, have historically occurred within proximity to Culver City and the surrounding Los Angeles County region. In 1985, the Baldwin Hills Fire resulted in the loss of three lives and destroyed 53 structures.

According to the Los Angeles County Fire Hazard Severity Zone (FHSZ) map, the eastern portion of Culver City is located within a Very High Fire Hazard Severity Zone (VHFHSZ). The portion of the City in the VHFHSZ consists of properties within the Blanco/Culver Crest neighborhood that are considered in a wildland-urban interface. A wildland-urban interface is defined as anywhere the growth and spread of a fire may begin in a brush or wildland region, and then quickly enter an urban environment. Additional wildland areas located within Los Angeles County are directly adjacent to the Culver City communities of Blair Hills and Culver Crest.

As the eastern portion of Culver City and adjacent areas within Los Angeles County are considered wildland-urban interface areas, the City has a higher probability of wildfire risks within the Blair Hills and Culver Crest communities and the surrounding area.



Severe Weather

Severe weather can be defined as any destructive weather event with the potential to damage property or cause loss of life. In Culver City, severe weather typically consists of high wind and heavy rain events.

Windstorms that affect Los Angeles County, notably Santa Ana winds, are not location specific but rather impact a majority of the area. Severe windstorms pose a significant risk to life and property by creating conditions that disrupt essential systems such as public utilities, telecommunications, and transportation routes. High winds occasionally cause damage to homes and businesses, typically involve responses from emergency service personnel. Severe windstorms can present a very destabilizing effect on dry brush that covers local hillsides and urban wildland interface areas, increasing wildfire threat. Destructive impacts to trees, power lines, and utility services also are associated with high winds. Falling trees can cause fatalities

and serious structural damage while fallen power lines could cause widespread power outages and fire. The entire City is susceptible and has experienced Santa Ana winds.

Periods of intense rain can happen, usually as a result of a meteorological phenomenon called an "atmospheric river", which is a narrow band of very moist air that can deliver strong winter storms to California, particularly to coastal areas. Strong storms are also linked to El Niño events, which occur when the surface of the eastern tropical Pacific is warmer than normal and result in various climate extremes around the globe, often including increased precipitation in California. While the intensity and duration of the events are varied and hard to predict, El Niño events occur on average every two to seven years. Events often begin early in the year and peak between the following November and January, but no two events behave in the same way. The 1997-1998 El Niño event was categorized as "very strong", with the most recent event occurring in 2009-2010 categorized as "moderate".

Within the City, heavy winds have resulted in broken and fallen tree limbs and small fires. Localized flooding associated with storm drain capacity issues have also occurred causing minimal damage. Heavy rains have also resulted in precipitation-induced mudslides within the Culver Crest neighborhood.

Severe weather, including both high winds and heavy rains will continue to occur in Culver City. Due to previous existing weather patterns, increases in the probability of future occurrences of severe weather events, like El Niño cycles in Los Angeles County, are anticipated and often result in compounded hazards countywide.



Flood

Flooding occurs when a waterway, either a natural one or an artificial drainage channel, receives more water than it is capable of conveying, causing the water level in the waterway to rise. Depending on how long these conditions last and the amount of water the waterway receives in proportion to its capacity, the rising water level may eventually overtop the waterway's banks or any other boundaries to the drainage area, resulting in flooding in the surrounding area.

Culver City has been relatively free of major flood events in previous years, although small-scale flooding has occurred during intense precipitation. FEMA flood maps indicate that a few locations in the northern parts of the City are at an elevated risk for flooding. A small area, bordered roughly by Ballona Creek, Fairfax Avenue, and Adams Boulevard lies within a 100-year flood zone for a 1 to 3 foot flood, meaning that there is a one in 100 chance that a flood event sufficient to cause 1 to 3 feet of inundation will occur in any given year (Zone AO). Two additional areas nearby, one between Eastham Drive and Ballona Creek and the second the area immediately adjacent to Ballona Creek, between National Boulevard and Sentney Avenue, are also within a 100-year flood zone, although FEMA does not specify the potential amount of inundation in this area (Zone A). Another part of the City, between Adams Boulevard and Dauphin Street, is at risk from a flood capable of causing inundation of less than 1 foot with a one in 100 and one in 500 chance of occurring between any given year (Zone X).



**Culver City and CCUSD
Multi-Jurisdictional
Hazard Mitigation Plan
Community Workshop
Rooms C71 and 73**





NATURAL HAZARDS

THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

The following natural hazards have been identified as having the potential to affect the community. Using the **ORANGE** dot stickers, please indicate the level of importance that should be placed by the City/CCUSD in planning for and mitigating each hazard.

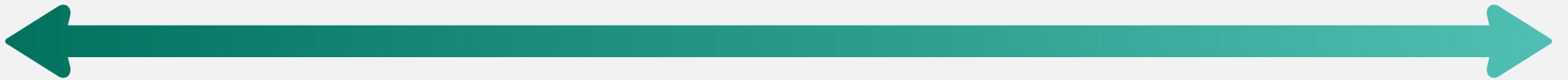
Not Important

Drought

Important



Seismic Hazards



Seismic Groundshaking



Wildfire



Extreme Weather (high wind/heavy rain)



Liquefaction



Flood



Landslide/Mudflow





MITIGATION ACTIONS

As part of the Multi-Jurisdictional Hazard Mitigation Plan, specific mitigation actions will be identified to reduce potential damage associated with natural hazards. Please place a **GREEN** dot if you support or a **RED** dot if you do not support the following mitigation actions.

	GREEN Support	RED Do Not Support
Retrofit and strengthen essential facilities such as hospitals, schools, fire stations, and police stations to current building codes.		
Retrofit infrastructure such as roads, bridges, drainage facilities, water supply, waste water, and power supply facilities to guard against natural hazards.		
Use general fund dollars to reduce risks and losses from disasters.		
Fund capital projects such as storm drain improvements.		
Seek additional funding sources, such as grants, to fund hazard mitigation projects.		
Strengthen codes and regulatory standards in disaster/hazard areas.		
Reduce fire risk in existing development through vegetative management.		
Evaluate the future development or placement of essential facilities/services in areas identified as vulnerable to natural hazards. To the extent feasible, encourage essential facilities to locate outside of these areas.		



MITIGATION ACTIONS

As part of the Multi-Jurisdictional Hazard Mitigation Plan, specific mitigation actions will be identified to reduce potential damage associated with natural hazards. Please place a **GREEN** dot if you support or a **RED** dot if you do not support the following mitigation actions.

	GREEN Support	RED Do Not Support
Implement a Non-Structural Mitigation Program (bracing, securing non-structural elements) to reduce earthquake-induced damage and injury in public facilities and schools.		
Develop and implement an educational campaign to inform the public of the risk of natural hazards affecting the community and opportunities and recommendations to reduce those risks.		
Develop community response plans to assist vulnerable populations (e.g., seniors, persons with disabilities, children) in the event of a natural hazard.		
Maximize the use of shared resources between jurisdictions and special districts for mitigating natural hazards.		
Increase coordination between the public and private sector in disaster mitigation.		
Mitigate climate change impacts by integrating climate change research and adaptation planning into City operations and services. Collaborate with local, regional, State and Federal partners to increase the security of water supply from drought and climate change impacts.		
Acquire emergency generators for essential government facilities, schools, and buildings identified as care and shelters.		



WHAT ELSE SHOULD WE KNOW?

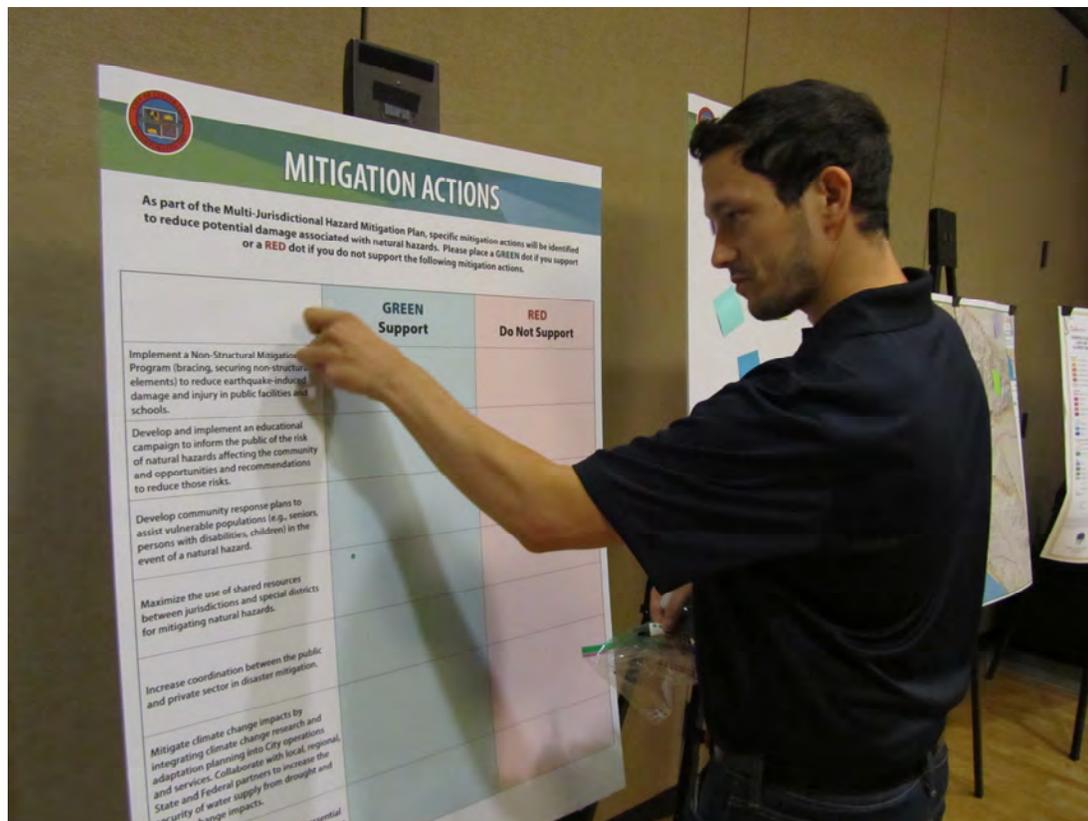
Community Open House Workshop– September 24, 2015

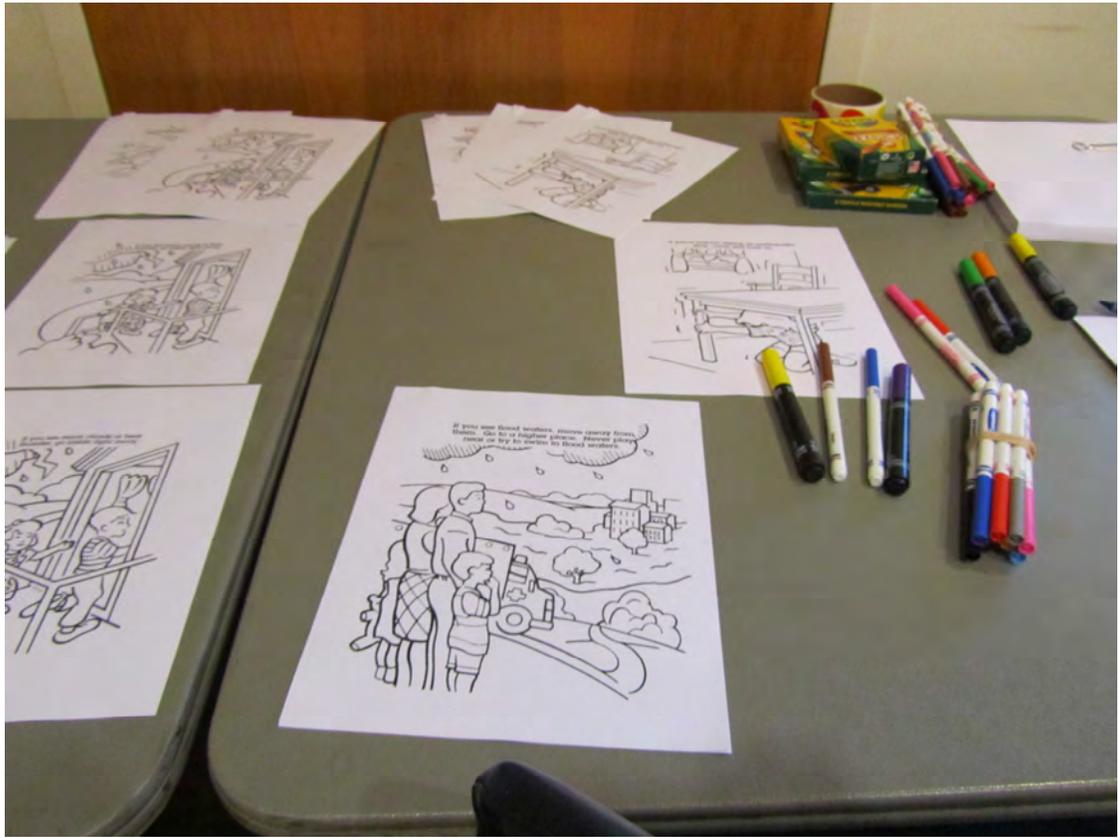














CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

What is a Hazard Mitigation Plan?

A Hazard Mitigation Plan is a framework that guides our community in making decisions and developing policies to reduce or eliminate risk to life and property. The plan identifies the types of hazards that threaten our community, evaluates our vulnerability to those threats, and outlines a strategy to reduce or eliminate the risk posed by those threats to break the cycle of repeated destruction by natural hazard events.

Why is the plan important?

The Federal Disaster Mitigation Act of 2000 (DMA 2000) requires that a community have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of these funds can be critical to implementation of identified hazard mitigation programs.

What goes into a Hazard Mitigation Plan?

A hazard mitigation plan assesses the community's risks and vulnerabilities to natural hazard events such as earthquakes, flooding, and wildfire. The plan includes a set of goals related to the overall goal of hazard mitigation planning and mitigation measures that will serve to advance the plan goals.

How can the public become involved in the Hazard Mitigation planning process?

Public participation in the process is important because it helps raise awareness of the hazards we face in Culver City and the actions needed to mitigate those hazards. By participating in the process you will be taking time to consider the hazards in our community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take. The MJHMP Steering Committee will consider all input from the public and integrate it into the plan where appropriate. Opportunities for the community to provide input, ask questions, and review/comment on draft documents will be provided throughout the planning process. Your comments, questions, ideas, and concerns will have a significant role in the plan's preparation.

• Take this quick survey.

This survey will help the MJHMP Steering Committee better understand the community's concerns about natural hazards and to identify policies, programs and projects that can help lessen the impact of future hazard events. Completing the survey provides you the opportunity to share your opinions and participate in the mitigation planning process.

• Community Workshop.

A community workshop/learning event was held on Thursday, September 24, 2015 at the Culver City Senior Center to provide an overview of the MJHMP, why we need it, and what is required in the plan. Participants were able to ask questions, offer comments and provide input on potential mitigation actions to reduce the impact of natural hazards on the community.

- [Community Workshop Information Guide](#)
- [Community Workshop Presentation](#)

Contact Us.

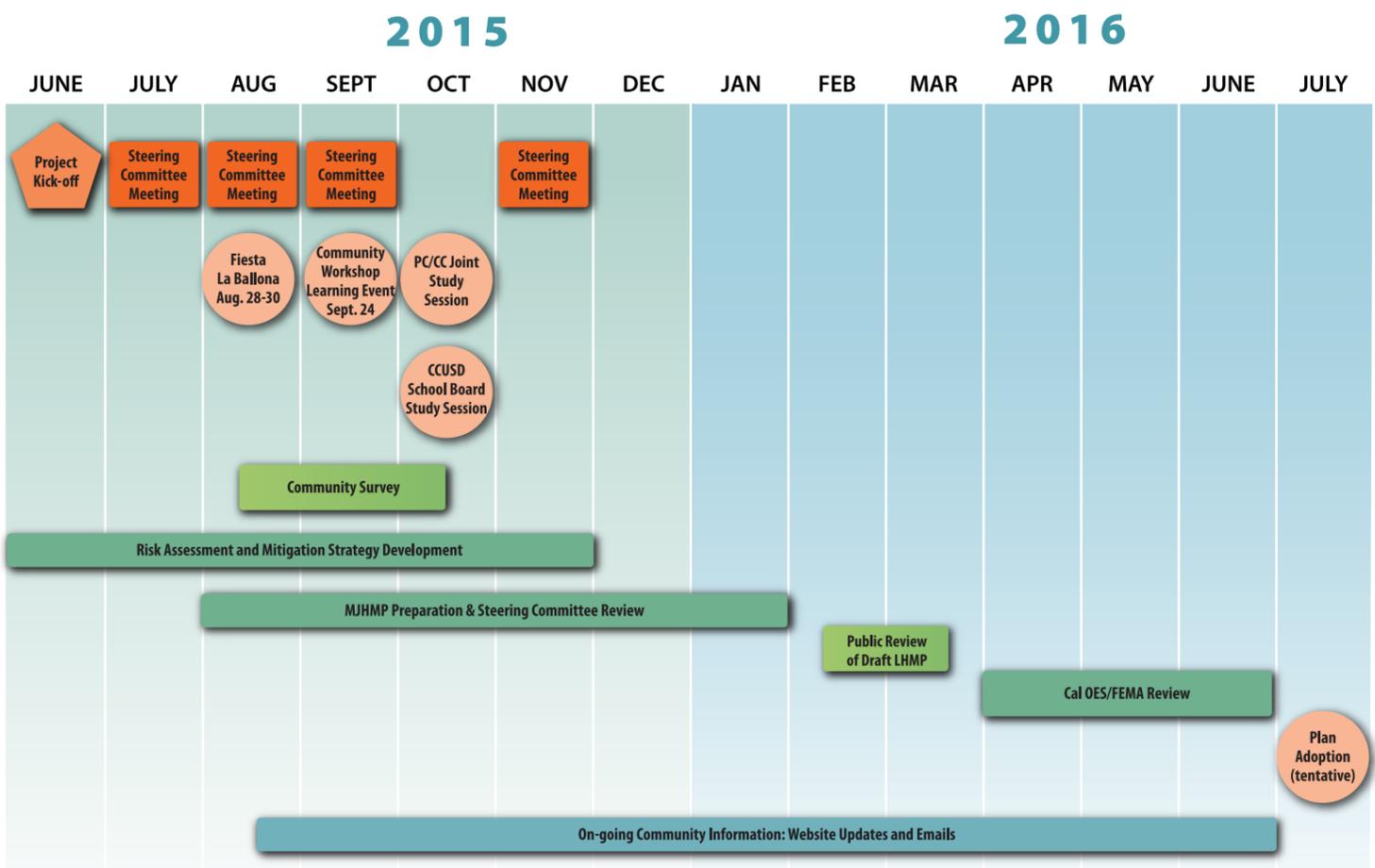
Comments and questions may be submitted to hazardmitigationplan@culvercity.org or you may contact Joe Susca, Public Works Department, Senior Management Analyst at 310-253-5636.

Email Updates.

If you would like to receive additional information and notifications during the planning process, please click on the following link and enter your e-mail address: at the following link:

https://public.govdelivery.com/accounts/CACULVER/subscriber/new?topic_id=CACULVER_85

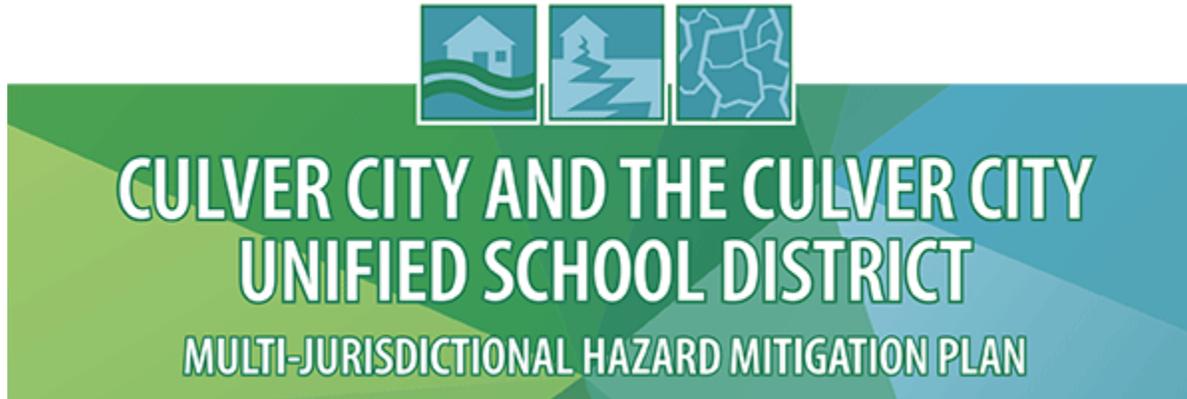
Timeline and Key Milestones



Draft Documents

Once available, draft documents will be posted here for review and comment

HAZARD MITIGATION PLAN



The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

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The Federal Disaster Mitigation Act of 2000 (DMA 2000) requires that a community have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of these funds can be critical to implementation of identified hazard mitigation programs.

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- **Community Survey**

A community survey to gauge the level of knowledge the community has about natural disaster issues and to obtain input about areas in Culver City that may be vulnerable to various types of

natural disasters was made available from August 17 to November 9, 2015. **Over 80 responses were received.**

- **Community Workshop**

A community workshop learning event was held on Thursday, September 24, 2015 at the Culver City Senior Center to provide an overview of the MJHMP, why we need it, and what is required in the plan. Participants were able to ask questions, offer comments and provide input on potential mitigation actions to reduce the impact of natural hazards on the community.

- [Community Workshop Information Guide](#)
- [Community Workshop Presentation](#)

- **City Council Meeting**

A presentation was provided at the City Council meeting on Monday, November 9, 2015 to provide information on the MJHMP and review the progress achieved up to that point in time and to obtain any opinions and concerns regarding its content.

- [MJHMP City Council Presentation](#)

- **Culver Unified School District School Board Meeting**

A presentation was provided at the Culver City Unified School District School Board Meeting on Tuesday, October 27, 2015 to provide information on the MJHMP and review the progress achieved up to that point in time and to obtain any opinions and concerns regarding its content.

- [MJHMP Culver City Unified School District School Board Presentation](#)

Contact Us

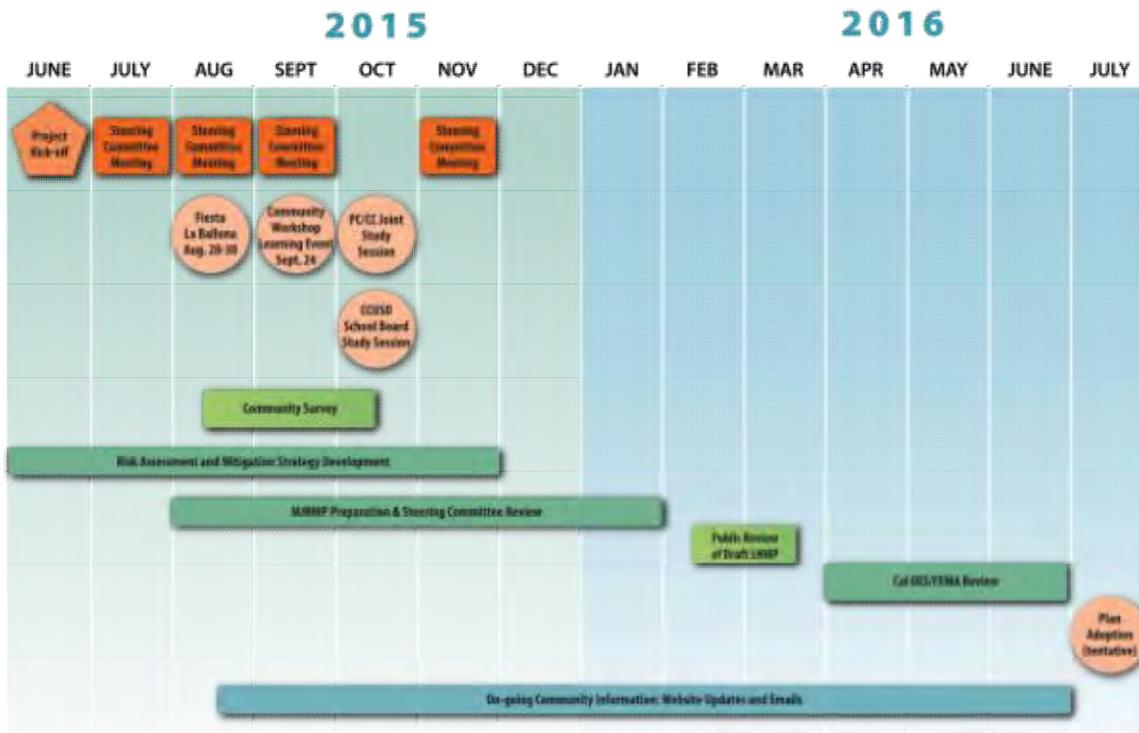
Comments and questions may be submitted [by email](#)

or you may contact Joe Susca, Public Works Department, Senior Management Analyst at 310-253-5636.

Email Updates

If you would like to receive additional information and notifications during the planning process, please [click here and enter your e-mail address](#).

Timeline and Key Milestones [View Larger](#)



Draft Documents

Once available, draft documents will be posted here for review and comment.



Wave Newspapers / Culver City Edition / **Culver City, school district receive grant for hazard mitigation plan**

Culver City, school district receive grant for hazard mitigation plan

September 18, 2015 Written by: posted by Wave Staff

Category: Culver City
Edition
permalink

Tagged under:

*Culver City California,
Culver City Senior Center,
Culver City Unified School
District, Federal Disaster
Mitigation Act of 2000,
hazard mitigation plan*

CULVER CITY — The city and the Culver City Unified School District have received a grant to prepare a multi-jurisdictional hazard mitigation plan, a strategy for reducing the city’s and district’s vulnerability to the impacts of natural hazard events such as earthquakes, floods or wildfire.

The plan is a framework that guides the community in making decisions and developing policies to reduce or eliminate risk to life and property. It will identify the hazards that threaten the community, evaluate the vulnerability to those threats and outline a strategy to reduce or eliminate the risk posed by those threats.

On Sept. 24, a community workshop preparing the hazard mitigation plan will be held at 7 p.m. the Culver City Senior Center, 4095 Overland Ave.

The meeting will offer residents the opportunity to learn more about plan process and offer their opinions and concerns regarding natural hazards, ask questions and to provide feedback. Everyone is encouraged to attend.

The Federal Disaster Mitigation Act of 2000 requires communities to have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of the funds can be critical to implementing hazard mitigation programs.

The plan will assess the community's risks and vulnerabilities to natural hazard events and include a set of goals related to the overall goal of hazard mitigation planning and mitigation measures that will serve to advance the plan goals.

Public participation in the process is important because it helps raise awareness of the hazards the community may face and how to mitigate those hazards, city and school officials said. By participating in the process, residents will be taking time to consider the hazards in their community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take.

A steering committee will consider all input from the public and integrate it into the plan where appropriate. Opportunities for the community to provide input, ask questions, and review/comment on draft documents will be provided throughout the process.

Information: Joe Susca, senior management analyst for the city's Public Works Department, at (310) 253-5636.

COMIC CON 2015 GALLERY

Sports

SPORTS DIGEST: Lynwood trounces Firebaugh in annual Wood Bowl...

It was a festive occasion in...

New CAASPP Scores to Serve as A Benchmark for Student Achievement

CCUSD is eager to get an initial look at its first results of the new online assessments administered to Culver City students last spring to help gauge the District's progress in learning new, more rigorous academic standards.

These tests will serve as an academic check-up. Like class assignments and report card grades, these are one gauge of student progress – one way to provide parents and teachers with information about their students' work toward the high goals we have set for our students.

As a district, the scores assist us in evaluating our strengths and gaps and are used as just one gauge in determining actions steps to take to improve student achievement.

Our students and schools are still adjusting to these new standards and the tests that go with them. That's why no student or parent should be discouraged by test results. The new tests are too different from the old CST exams to make any comparison between old scores and the new. Think of the scores this year as a starting point-a baseline for the progress we expect students to make over time.

California Assessment of Student Performance and Progress (CAASPP) includes a number of assessments, but the most widely given are the Smarter Balanced Summative Assessments, which evaluate student progress on the California standards in mathematics and English language arts/literacy, often referred to as the Common Core.

CAASPP results released today provide us with State, County, and District averages for grades 3-8 and 11. We await the arrival of individual student results and will provide results to parents as soon as they arrive. Please visit our CCUSD CAASPP student information web page for more information on the new test and understanding your students' score report.

Overall, CCUSD scored 21% higher English Language Arts than the County average (students meeting and exceeding the standards) and 17% higher in mathematics. For more information, please click here for our SBAC brochure.

City of Culver City and CCUSD Partner on Hazard Mitigation Plan

The City of Culver City and the Culver City Unified School District have received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

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Complete a short survey at the link below.

This survey will help the MJHMP Steering Committee better understand the community's concerns about natural hazards and to identify policies, programs and projects that can help lessen the impact of future hazard events. Completing the survey provides you the opportunity to share your opinions and participate in the mitigation planning process. <https://www.surveymonkey.com/r/CulverCityHazardMitigationPlan>

Attend the Community Workshop/Learning Event

A public meeting/learning event will be held at 7 pm on Thursday, September 24, 2015 at the Culver City Senior Center located at 4095 Overland Avenue in Culver City. This will provide you with an opportunity to learn more about the MJHMP, review the progress achieved up to that point in time, share your opinions and concerns regarding natural hazards, ask questions and to provide feedback. Everyone is encouraged to attend.

Contact Us

Comments and questions may be submitted to <mailto:hazardmitigationplan@culvercity.org> or you may contact Joe Susca, Public Works Department, Senior Management Analyst, City of Culver City at 310-253-5636.

Email Updates

If you would like to receive additional information and notifications during the planning process, please visit the City of Culver City website: <http://www.culvercity.org/hazardmitigationplan>

CCHS Theater Students Learn "Object Lesson"

Culver City High School teacher Jill Novak took her theater class to the Kirk Douglas Theater for a performance of The Object Lesson on September 2. Students were highly engaged in this performance that featured boxes stacked to the ceiling, while actor-illusionist-inventor Geoff Sobelle had the audience moving around the room and participating in the performance.



The Kirk Douglas Theatre was transformed into an epic storage facility of gargantuan proportion. CCHS students and other high school students from surrounding districts were free to roam and poke through the clutter in this immersive theatrical installation that unpacks our relationship to everyday objects. Breaking, buying, finding, fixing, giving, losing, winning, trading, selling, stealing, storing, collecting, cluttering, clearing, packing up, passing on, buried under – a world of things.



Students laughed, embraced, and applauded The Object Lesson which is described by the production company and CCUSD art partner, Center Theater Group as "a meditation on the stuff we cling to and the crap we leave behind."

Tuesday, September 1, 2015

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C

CULVER CITY NEWS & ANNOUNCEMENTS

- 2015 Cooling Centers >>
- Visioning- Proposed Hospitality & Entertainment District (including Freeway Oriented Signage) >>
- Maintaining Our Urban Forest During Drought Conditions >>
- Electronic Waste Round-Up on 9/12/15 >>
- Hazard Mitigation Plan Community Meeting on 9/24 >>
- Smoking Ban in Multi-Unit Housing >>
- Water Conservation in Culver City >>
- Public Notifications >>



City Council Subcommittee on Campaign Finance Holds Public Workshop on 9/8

City Council Subcommittee on Campaign Finance Holds Public Workshop on Tuesday, September 8, 2015 to Discuss Proposed Ordinance Amending the City's Campaign Finance Regulations Pertaining to City Elections.

[read more](#)



Information about the Inglewood Oil Field

On this page the City will post the latest information, schedules, meetings, public notices, documents, related links and other information concerning the Inglewood Oil Field.

[read more](#)

[<previous](#) [next>](#)



Tuesday, September 1 >>
PRCS Commission Meeting



Wednesday, September 2 >>
Committee on Permits and Licenses



Wednesday, September 2 >>
Fiesta LaBallona



Friday, September 4 >>
City Hall Closed

[VIEW CALENDAR](#)

[VIEW MEETINGS & AGENDAS](#)

CULVER CITY WEBSITE QUICK ACCESS LINKS



LIVING IN CULVER CITY

- Local Culver City Events
- City Maps
- Volunteer Opportunities
- Report Graffiti or a Pothole
- Culver City Living
- Emergency Preparedness
- Refuse & Recycling

DOING BUSINESS IN CULVER CITY

- Bids/RFP's/Surplus Property
- Parking
- Permits
- Culver City Chamber of Commerce
- Filming in Culver City
- Business Tax & Licenses
- Request to Become a City Vendor

VISITING CULVER CITY

- Annual & Special Events
- Things to Do
- Sites & Tours
- Stay, Shop, Eat
- TV Show Audience Tickets
- Culver City History
- Veterans Memorial Complex

CITY GOVERNMENT

- Municipal Code
- Meeting Agendas and Webcasts
- City Council
- City Hall Hours and Directions
- Commissions, Committees and Boards
- Employment Opportunities
- Code Enforcement



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Tuesday, September 1, 2015

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Culver City > Hazard Mitigation Plan



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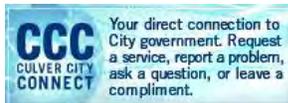
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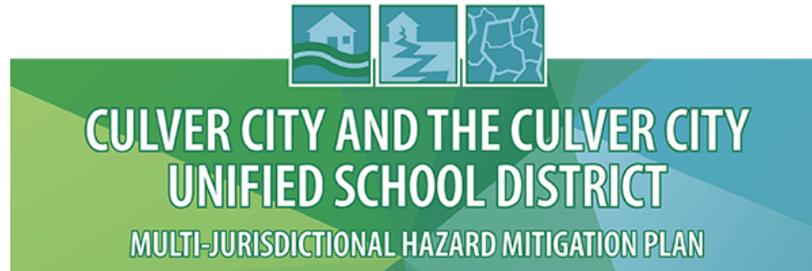
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Hazard Mitigation Plan

Text Size: + -



The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received a grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.

What is a Hazard Mitigation Plan?

A Hazard Mitigation Plan is a framework that guides our community in making decisions and developing policies to reduce or eliminate risk to life and property. The plan identifies the types of hazards that threaten our community, evaluates our vulnerability to those threats, and outlines a strategy to reduce or eliminate the risk posed by those threats to break the cycle of repeated destruction by natural hazard events.

Why is the plan important?

The Federal Disaster Mitigation Act of 2000 (DMA 2000) requires that a community have an approved hazard mitigation plan in order to be eligible to apply for and receive FEMA hazard mitigation funds. Receipt of these funds can be critical to implementation of identified hazard mitigation programs.

What goes into a Hazard Mitigation Plan?

A hazard mitigation plan assesses the community's risks and vulnerabilities to natural hazard events such as earthquakes, flooding, and wildfire. The plan includes a set of goals related to the overall goal of hazard mitigation planning and mitigation measures that will serve to advance the plan goals.

How can the public become involved in the Hazard Mitigation planning process?

Public participation in the process is important because it helps raise awareness of the hazards we face in Culver City and the actions needed to mitigate those hazards. By participating in the process you will be taking time to consider the hazards in our community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take. The MJHMP Steering Committee will consider all input from the public and integrate it into the plan where appropriate. Opportunities for the community to provide input, ask questions, and review/comment on draft documents will be provided throughout the planning process. Your comments, questions, ideas, and concerns will have a significant role in the plan's preparation.

- **Take this quick survey**

[This survey](#) will help the MJHMP Steering Committee better understand the community's concerns about natural hazards and to identify policies, programs and projects that can help lessen the impact of future hazard events. Completing the survey provides you the opportunity to share your opinions and participate in the mitigation planning process.

- **Visit us at Culver City's Fiesta La Ballona – August 28-30, 2015**

Stop by the City's Public Works Department booth, to obtain more information on the MJHMP, to answer your questions, and to receive information on additional opportunities to participate. [Click here](#) for more information.

- **Attend the Community Workshop/Learning Event**

A public meeting/learning event will be held on Thursday, September 24, 2015 at 7:00 pm at the Culver City Senior Center located at 4095 Overland Avenue in Culver City. This will provide you with an opportunity to learn more about the MJHMP, review the progress achieved up to that point in time, share your opinions and concerns regarding natural hazards, ask questions and to provide feedback. Everyone is encouraged to attend.

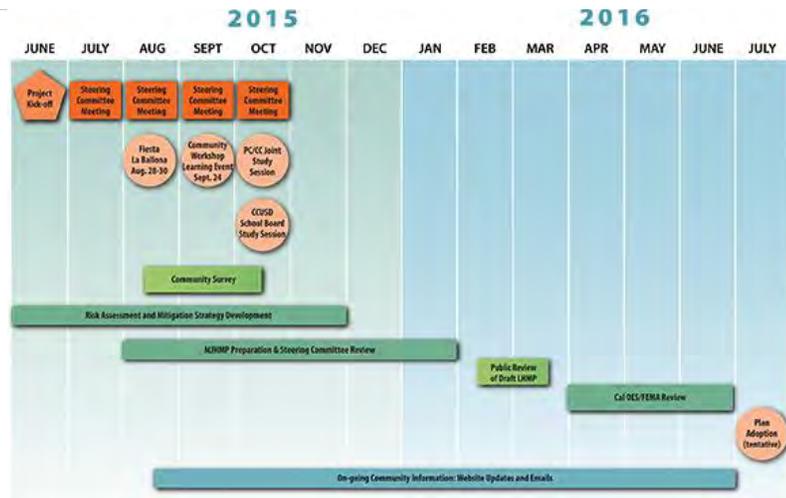
Contact Us

Comments and questions may be submitted to hazardmitigationplan@culvercity.org or you may contact Joe Susca, Public Works Department, Senior Management Analyst at 310-253-5636.

Email Updates

If you would like to receive additional information and notifications during the planning process, please [click here and enter your e-mail address](#).

Timeline and Key Milestones [View Larger](#)



Draft Documents
 Once available, draft documents will be posted here for review and comment.

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Tuesday, November 17, 2015

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Culver City > Hazard Mitigation Plan



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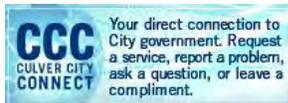
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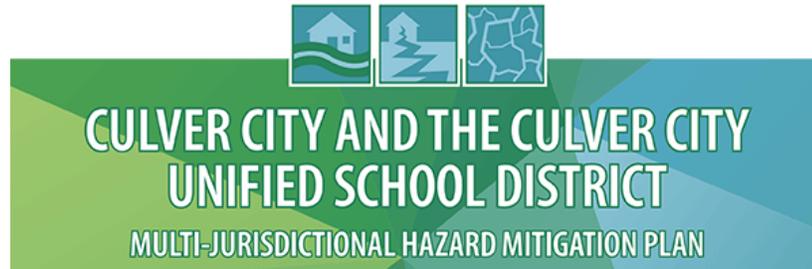
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Hazard Mitigation Plan

Text Size: + -



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A hazard mitigation plan assesses the community's risks and vulnerabilities to natural hazard events such as earthquakes, flooding, and wildfire. The plan includes a set of goals related to the overall goal of hazard mitigation planning and mitigation measures that will serve to advance the plan goals.

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Public participation in the process is important because it helps raise awareness of the hazards we face in Culver City and the actions needed to mitigate those hazards. By participating in the process you will be taking time to consider the hazards in our community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take. The MJHMP Steering Committee will consider all input from the public and integrate it into the plan where appropriate. Opportunities for the community to provide input, ask questions, and review/comment on draft documents will be provided throughout the planning process. Your comments, questions, ideas, and concerns will have a significant role in the plan's preparation.

- **Community Survey**

The survey is now closed. Check back here in the near future for a summary of the survey results.

- **Community Workshop**

A community workshop learning event was held on Thursday, September 24, 2015 at the Culver City Senior Center to provide an overview of the MJHMP, why we need it, and what is required in the plan. Participants were able to ask questions, offer comments and provide input on potential mitigation actions to reduce the impact of natural hazards on the community.

- [Community Workshop Information Guide](#)
- [Community Workshop Presentation](#)

- **City Council Meeting**

A presentation was provided at the City Council meeting on Monday, November 9, 2015 to provide information on the MJHMP and review the progress achieved up to that point in time and to obtain any opinions and concerns regarding its content.

- [MJHMP City Council Presentation](#)

- **Culver Unified School District School Board Meeting**

A presentation was provided at the Culver City Unified School District School Board Meeting on Tuesday, October 27, 2015 to provide information on the MJHMP and review the progress achieved up to that point in time and to obtain any opinions and concerns regarding its content.

- [MJHMP Culver City Unified School District School Board Presentation](#)

Contact Us

Comments and questions may be submitted [by email](#) or you may contact Joe Susca, Public Works Department, Senior Management Analyst at 310-253-5636.

Email Updates

If you would like to receive additional information and notifications during the planning process, please [click here and enter your e-mail address](#).

Timeline and Key Milestones [View Larger](#)

Barker, Starla

From: Susca, Joe <joe.susca@culvercity.org>
Sent: Thursday, August 20, 2015 10:13 AM
To: Barker, Starla; Mike Reynolds (mikereynolds@ccusd.org)
Subject: FW: Courtesy Copy: Culver City and CCUSD Partner to Prepare Hazard Mitigation Plan and they Need Your Input!
Attachments: HMP+Workshop+Notice.pdf; CC postcard_081015_Email Version.pdf; CC postcard_081015_Email Version_Page_1.jpg; CC postcard_081015_Email Version_Page_2.jpg

Starla, below is a copy of the announcement was posted on the City's Facebook page, tweeted along with being sent to the following e-mail distribution lists the City maintains:

- Public Safety Events (Fire and Police) (1,326)
- Volunteering in Culver City (935)
- Public Notifications (552)

Starla, as you know, the City has created a new MJHMP e-mail distribution list and once populated by members of the community, it will also be used to send future announcements about the MJHMP.

Mike, please proceed to send the same or a similar announcement to CCUSD parents via e-mail and let Starla and I know when it is sent and the total number of parents that received it.

Mike, please also arrange post a link to the MJHMP webpage on the CCUSD's own website (www.culvercity.org/hazardmitigationplan) with a similar introduction to the MJHMP. (Mike, I also attached the full version of the postcard and its individual pages in .jpg format for your use as well).

Mike, lastly, I have printed 1,000 of the two-sided postcard announcement and will be distributing a supply of them for members of the public to take at the various City counters and information kiosks. Let me know if you would like a stack of them as well to distribute.

Thank you,

Joe Susca | Senior Management Analyst – Public Works Department
City of Culver City | 310.253.5636 | joe.susca@culvercity.org
City Hall: 9770 Culver Boulevard in Culver City, CA 90232

From: City of Culver City [mailto:culvercity@public.govdelivery.com]
Sent: Thursday, August 20, 2015 10:02 AM
To: dolly.kowalski@culvercity.org; Uhl, Darren <darren.uhl@culvercity.org>; Thomsen, Jill <jill.thomsen@culvercity.org>; Perez, Trisha <Patricia.Perez@culvercity.org>; Webber, Amy <amy.webber@culvercity.org>; Susca, Joe <joe.susca@culvercity.org>; Griffing, Johnnie <John.Griffing@culvercity.org>; gracie.hasan@culvercity.org; Coronel, Yohana <yohana.coronel@culvercity.org>; Sykes, Rhonda <rhonda.sykes@culvercity.org>; Green, Jeremy <jeremy.green@culvercity.org>; Cole, Martin <martin.cole@culvercity.org>; Kinnon, Patrice <patrice.kinnon@culvercity.org>; Williams, Michele <michele.williams@culvercity.org>; Wolfberg, Shelly <shelly.wolfberg@culvercity.org>; Hunt, Yvonne <yvonne.hunt@culvercity.org>; Perez, Valerie <valerie.perez@culvercity.org>; Di Vincente, Anissa

<anissa.divincente@culvercity.org>

Subject: Courtesy Copy: Culver City and CCUSD Partner to Prepare Hazard Mitigation Plan and they Need Your Input!

This is a courtesy copy of an email bulletin sent by Joe Susca.

This bulletin was sent to the following groups of people:

Subscribers of Public Notifications, Public Safety Events (Fire and Police), Volunteering in Culver City (1895 recipients)



Dear Community Member:

The City of Culver City and the Culver City Unified School District (CCUSD) are excited to inform you of a joint effort to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) and to invite you to participate in this important process. A Hazard Mitigation Plan is a framework that guides our community in making decisions and developing policies to reduce or eliminate risk to life and property. The plan identifies the types of hazards that threaten our community, evaluates our vulnerability to those threats, and outlines a strategy to reduce or eliminate the risk posed by those threats to break the cycle of repeated destruction by natural hazard events.

Public participation in the process is important because it helps raise awareness of the hazards we face in Culver City and the actions needed to mitigate those hazards. By participating in the process you will be taking time to consider the hazards in our community, the impact of those hazards on life and property, actions that need to be taken to reduce that impact, and the priority those actions should take. Opportunities for the community to provide input, ask questions, and review/comment on draft documents will be provided throughout the planning process.

As an initial opportunity to participate in the mitigation planning process, please click on the link below to take a quick survey to share your opinions and participate in the mitigation planning process.

<https://www.surveymonkey.com/r/CulverCityHazardMitigationPlan>

The City and CCUSD will also be hosting a Community Workshop/Learning Event (see attached workshop information). **Save the Date and Plan to Attend!**

For additional information and to stay informed throughout the process, visit the Hazard Mitigation Plan website at the link below.

www.culvercity.org/hazardmitigationplan

We appreciate your involvement in this process. If you have any questions or comments, please contact Joe Susca, City of Culver City Public Works Department, at hazardmitigationplan@culvercity.org or at 310-253-5636.

Joe Susca | *Senior Management Analyst* – Public Works Department
City of Culver City| City Hall: 9770 Culver Boulevard in Culver City,
CA 90232

- [HMP Workshop Notice.pdf](#)

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SAVE THE DATE

THE CITY OF CULVER CITY AND THE CULVER CITY UNIFIED SCHOOL DISTRICT

MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

The City of Culver City (City) and the Culver City Unified School District (CCUSD) have received grant to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The MJHMP presents a strategy for reducing the City's and CCUSD's vulnerability to the impacts of natural hazard events such as earthquakes, flood, and wildfire.



TAKE THE SURVEY!

Visit the City's website at www.culvercity.org/hazardmitigationplan to complete a community survey regarding natural hazards or to obtain more information about the MJHMP planning process, for opportunities to participate and to view draft documents.

www.culvercity.org/hazardmitigationplan

COMMUNITY WORKSHOP / LEARNING EVENT

When | September 24, 2015

Time | 7:00 pm

**Where | Culver City Senior Center
4095 Overland Avenue
Culver City, CA 90232**

Free parking is available on the premises.

A public meeting/learning event will be held to provide you with an opportunity to learn more about the Multi-Jurisdictional Hazard Mitigation Plan, review the progress achieved up to that point in time, ask questions, and make comments. For more information about the Plan, visit www.culvercity.org/hazardmitigationplan

Save the Date!

If you have any questions, please contact Joe Susca at 310-253-5636 or send an email to: hazardmitigationplan@culvercity.org

Barker, Starla

From: Susca, Joe <joe.susca@culvercity.org>
Sent: Monday, September 21, 2015 12:28 PM
To: Barker, Starla
Subject: FW: Courtesy Copy: Attend the Hazard Mitigation Plan Workshop this Thursday night!
Attachments: HMP+Workshop+Notice.pdf

Starla, this morning I sent out a reminder about this Thursday night's workshop to 1,918 recipients included in the City's e-mail distribution lists. The confirmation e-mail copy is below.

Joe Susca | *Senior Management Analyst* – Public Works Department
City of Culver City | 310.253.5636 | joe.susca@culvercity.org
City Hall: 9770 Culver Boulevard in Culver City, CA 90232

From: City of Culver City [mailto:culvercity@public.govdelivery.com]
Sent: Monday, September 21, 2015 12:26 PM
To: Williams, Michele <michele.williams@culvercity.org>; dolly.kowalski@culvercity.org; Thomsen, Jill <jill.thomsen@culvercity.org>; Perez, Trisha <Patricia.Perez@culvercity.org>; Webber, Amy <amy.webber@culvercity.org>; Susca, Joe <joe.susca@culvercity.org>; Griffing, Johnnie <John.Griffing@culvercity.org>; Uhl, Darren <darren.uhl@culvercity.org>; gracie.hasan@culvercity.org; Sykes, Rhonda <rhonda.sykes@culvercity.org>; Green, Jeremy <jeremy.green@culvercity.org>; Cole, Martin <martin.cole@culvercity.org>; Hunt, Yvonne <yvonne.hunt@culvercity.org>; Coronel, Yohana <yohana.coronel@culvercity.org>; Kinnon, Patrice <patrice.kinnon@culvercity.org>; Wolfberg, Shelly <shelly.wolfberg@culvercity.org>; Perez, Valerie <valerie.perez@culvercity.org>; Di Vincente, Anissa <anissa.divincente@culvercity.org>
Subject: Courtesy Copy: Attend the Hazard Mitigation Plan Workshop this Thursday night!

This is a courtesy copy of an email bulletin sent by Joe Susca.

This bulletin was sent to the following groups of people:

Subscribers of Public Notifications, Public Safety Events (Fire and Police), or Volunteering in Culver City, (1914 recipients)



Dear Community Member:

The City of Culver City and the Culver City Unified School District (CCUSD) are excited to inform you of a joint effort to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) and to invite you to participate in this important process. A Hazard Mitigation Plan is a framework that guides our community in making decisions and

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As an initial opportunity to participate in the mitigation planning process, please click on the link below to take a quick survey to share your opinions and participate in the mitigation planning process.

<https://www.surveymonkey.com/r/CulverCityHazardMitigationPlan>

The City and CCUSD will also be hosting a Community Workshop/Learning Event this Thursday evening September 24, 2015 starting at 7:00 p.m. at the Senior Center, which is located at 4095 Overland Avenue. (see attached workshop information). Please plan to attend!

For additional information and to stay informed throughout the process, visit the Hazard Mitigation Plan website at the link below.

www.culvercity.org/hazardmitigationplan

We appreciate your involvement in this process. If you have any questions or comments, please contact Joe Susca, City of Culver City Public Works Department, at hazardmitigationplan@culvercity.org or at 310-253-5636.

Joe Susca | *Senior Management Analyst* – Public Works Department
City of Culver City | City Hall: 9770 Culver Boulevard in Culver City,
CA 90232

- [HMP Workshop Notice.pdf](#)

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mail address to log in. If you have questions or problems with the subscription service, please contact subscriberhelp.govdelivery.com.

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Barker, Starla

From: Susca, Joe <joe.susca@culvercity.org>
Sent: Tuesday, September 08, 2015 4:44 PM
To: Barker, Starla
Subject: FW: Community Message: Public Participation Invitation - Re: City's Hazard Mitigation Plan
Attachments: Nixle Distribution Report 9-8-15.xlsx

Starla below is confirmation that the Nixle notification was sent today by Christine Parra. Per the attached distribution report, it was sent to 1,246 recipients.

Joe Susca | *Senior Management Analyst* – Public Works Department
City of Culver City | 310.253.5636 | joe.susca@culvercity.org
City Hall: 9770 Culver Boulevard in Culver City, CA 90232

From: Parra, Christine
Sent: Tuesday, September 08, 2015 4:38 PM
Subject: FW: Community Message: Public Participation Invitation - Re: City's Hazard Mitigation Plan

Fyi

It was sent out. I don't know why it duplicated your contact info twice.



Christine Parra
Emergency Preparedness Coordinator
Culver City Fire Department
9770 Culver Blvd., Culver City, CA 90232
☎: 310-253-5909
📠: 310-253-5901

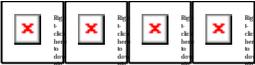
Disasters Happen - Be Prepared!

From: City of Culver City [mailto:city-of-culver-city@emails.nixle.com]
Sent: Tuesday, September 08, 2015 4:37 PM
To: Parra, Christine
Subject: Community Message: Public Participation Invitation - Re: City's Hazard Mitigation Plan

Message sent via Nixle | Go to nixle.com | [Unsubscribe](#)



City of Culver City



Community: Public Participation Invitation - Re: City's Hazard Mitigation Plan

[HMP+Workshop+Notice 2015.pdf](#)

Dear Christine Parra,

Dear Community Member:

The City of Culver City and the Culver City Unified School District (CCUSD) are excited to inform you of a joint effort to prepare a Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) and to invite you to participate in this important process. A Hazard Mitigation Plan is a framework that guides our community in making decisions and developing policies to reduce or eliminate risk to life and property. The plan identifies the types of hazards that threaten our community, evaluates our vulnerability to those threats, and outlines a strategy to reduce or eliminate the risk posed by those threats to break the cycle of repeated destruction by natural hazard events.

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www.culvercity.org/hazardmitigationplan

We appreciate your involvement in this process. If you have any questions or comments, please contact Joe Susca, City of Culver City Public Works Department, at hazardmitigationplan@culvercity.org or at 310-253-5636.

Joe Susca | Senior Management Analyst – Public Works Department
City of Culver City | City Hall: 9770 Culver Boulevard in Culver City, CA 90232

Contact Information:

Joe Susca
Department of Public Works
310-253-5636
joe.susca@culvercity.org

For full details, [view this message on the web](#).

Sent by **City of Culver City**
9770 Culver Boulevard, Culver City, CA 90232

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Barker, Starla

From: Susca, Joe <joe.susca@culvercity.org>
Sent: Monday, October 19, 2015 3:14 PM
To: Barker, Starla
Subject: FW: Courtesy Copy: Hazard Mitigation Plan: Survey Reminder and Community Meeting Announcements

Starla, I sent out this reminder to complete the survey and to attend one of the two upcoming meetings regarding the MJHMP.

Joe Susca | *Senior Management Analyst* – Public Works Department
City of Culver City | 310.253.5636 | joe.susca@culvercity.org
City Hall: 9770 Culver Boulevard in Culver City, CA 90232

From: City of Culver City [mailto:culvercity@public.govdelivery.com]
Sent: Monday, October 19, 2015 3:13 PM
To: Williams, Michele <michele.williams@culvercity.org>; Thomsen, Jill <jill.thomsen@culvercity.org>; Perez, Trisha <Patricia.Perez@culvercity.org>; Susca, Joe <joe.susca@culvercity.org>; Di Vincente, Anissa <anissa.divincente@culvercity.org>; Green, Jeremy <jeremy.green@culvercity.org>; Flores, Cara <cara.flores@culvercity.org>; Cole, Martin <martin.cole@culvercity.org>; Coronel, Yohana <yohana.coronel@culvercity.org>; Hunt, Yvonne <yvonne.hunt@culvercity.org>; Perez, Valerie <valerie.perez@culvercity.org>; Wolfberg, Shelly <shelly.wolfberg@culvercity.org>
Subject: Courtesy Copy: Hazard Mitigation Plan: Survey Reminder and Community Meeting Announcements

This is a courtesy copy of an email bulletin sent by Joe Susca.

This bulletin was sent to the following groups of people:

Subscribers of Downtown Neighborhood Association, Gateway Neighborhood Association, Hazard Mitigation Plan, Public Safety Events (Fire and Police), or Volunteering in Culver City, (1901 recipients)



Dear Community Member:

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If you haven't already done so, please click on the link below to take a quick survey by October 30, 2015 to share your opinions and participate in the mitigation planning process:

<https://www.surveymonkey.com/r/CulverCityHazardMitigationPlan>

Plan to attend one of the following two community meetings to learn more about the MJHMP:

- Attend the City Council meeting on Monday, November 9, 2015 at 7:00 p.m. at City Hall located at 9770 Culver Boulevard to learn more about the MJHMP, review the progress achieved up to that point in time and to share your opinions and concerns regarding its content.
- Attend the Culver City Unified School District Board meeting on Tuesday, October 27, 2015 at 7:00 p.m. at City Hall located at 9770 Culver Boulevard to learn more about the MJHMP, review the progress achieved up to that point in time and to share your opinions and concerns regarding its content.

For additional information and to stay informed throughout the process, visit the Hazard Mitigation Plan website at the link below.

www.culvercity.org/hazardmitigationplan

We appreciate your involvement in this process. If you have any questions or comments, please contact Joe Susca, Senior Management Analyst -- City of Culver City Public Works Department, at hazardmitigationplan@culvercity.org or at 310-253-5636.

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