

Disaster Council
Local Hazard Mitigation Plan Meeting #5



City of Merced
December 7, 2012



Meeting Outline

1. **Past/Future Actions**
2. **Plan Strategies**
3. **Prioritization Exercise**



1. Past/Future Actions





Plan Development Process

1. Where are the hazards?
 2. What are the risks?
 3. What is being done?
 4. Where are the gaps?
 5. What actions can be taken?
 6. What are our priorities?
 7. How can we implement?
- 

Hazard Type: Extreme Temperature

No.	Action	NFIP	New Bldg/Infra	Existing Bldg/Infra	Prevention	Property Protection	Public Education	Resource Protection	Structural
	Maintain, establish, and enhance heating and cooling centers to serve the current and future population.		x	x					x
	Prepare an “Excessive Heat Response Plan,” including such items as: 1) identification of vulnerable populations; and, 2) conducting pre-season public information campaigns.				x		x		
	Evaluate and improve heat advisory and warning methodology.						x		
	Work with PG&E and MID to require that electricity and water are not shut off for nonpayment during heat events.		x	x	x		x		
	Identify vulnerable residents in Merced and community groups working with vulnerable populations (e.g. hospitals, schools, Meals on Wheels) and ensure heat emergency outreach & education programs work with them						x		
	Assess transportation options for residents (especially vulnerable populations) to reach cooling zones and improve access and awareness where possible, or provide rebates or incentives at cooling centers.						x		x
	<i>Comments:</i>								



Narrowing the List

 *Scores*

 *Ineligible Mitigation Actions*

 *Hazard Threat*

 *Current Actions*



Council and Public Input



2. Plan Strategies



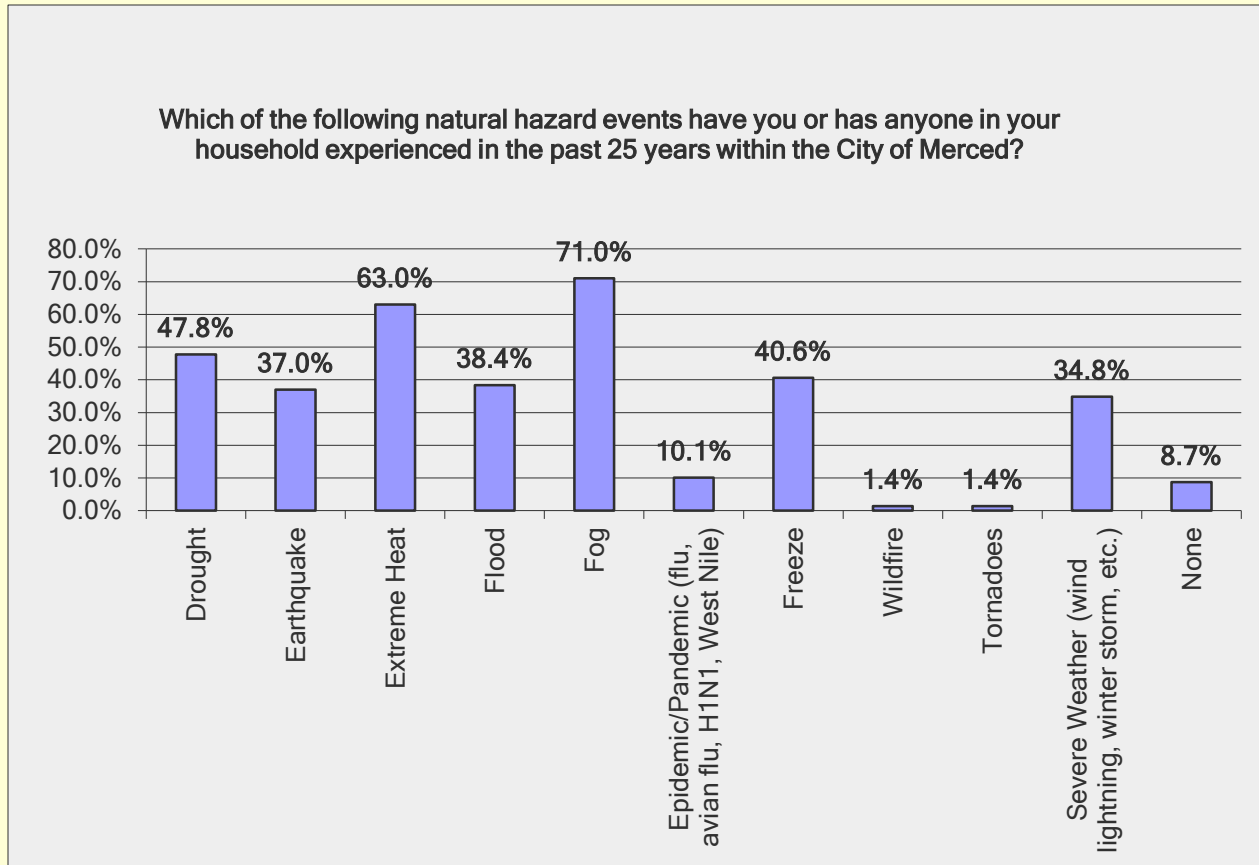


Prioritization Pre-Review

1. **Public Survey Results**
 2. **Criteria**
 3. **10 Strategies**
- 

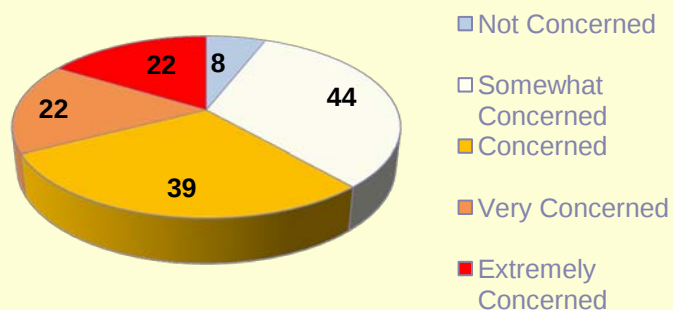
Natural Hazard Community Awareness Survey

Question #1

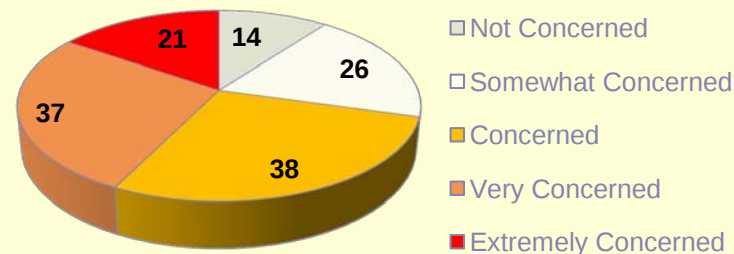


Question #2 - How concerned are you about the following natural hazards in the City of Merced?

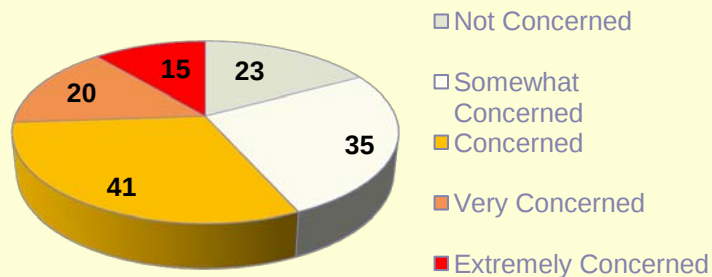
Drought



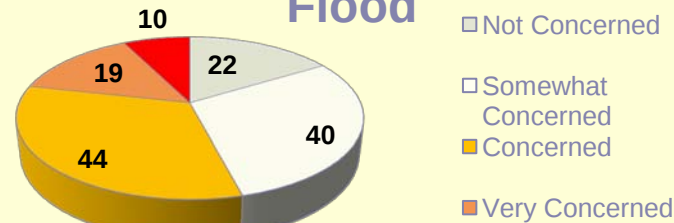
Extreme Heat



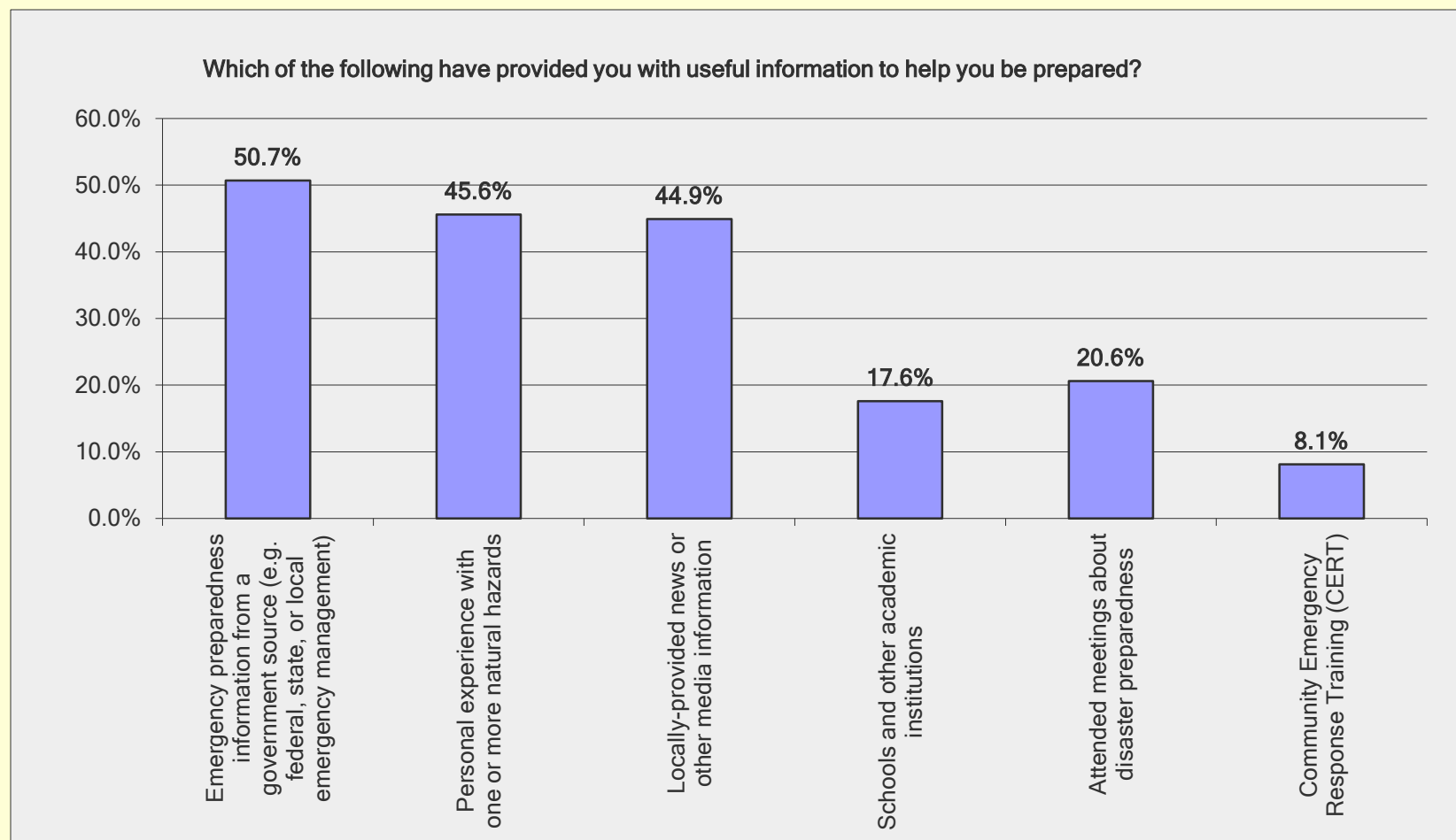
Structure Fire



Flood



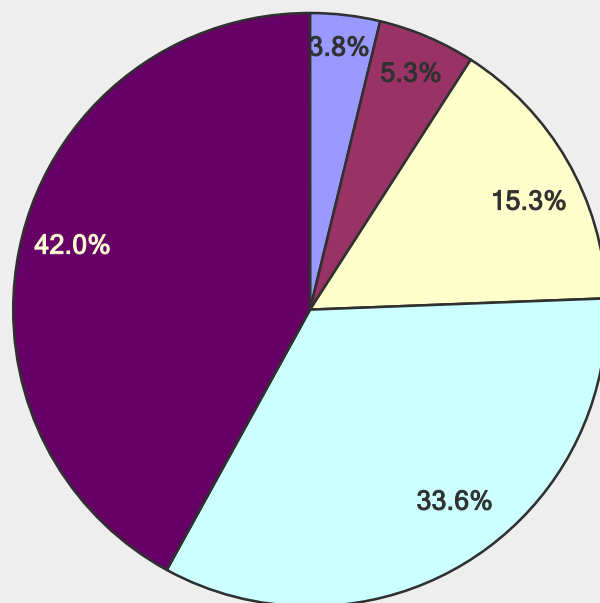
#5 - Which of the following have provided you with useful information to help you be prepared?



Natural Hazard Community Awareness Survey

Question #24

Prevention: Administrative or regulatory actions that influence the way land is developed and buildings are built. Examples include planning and zoning, building codes, open space preservation, and floodplain regulations.

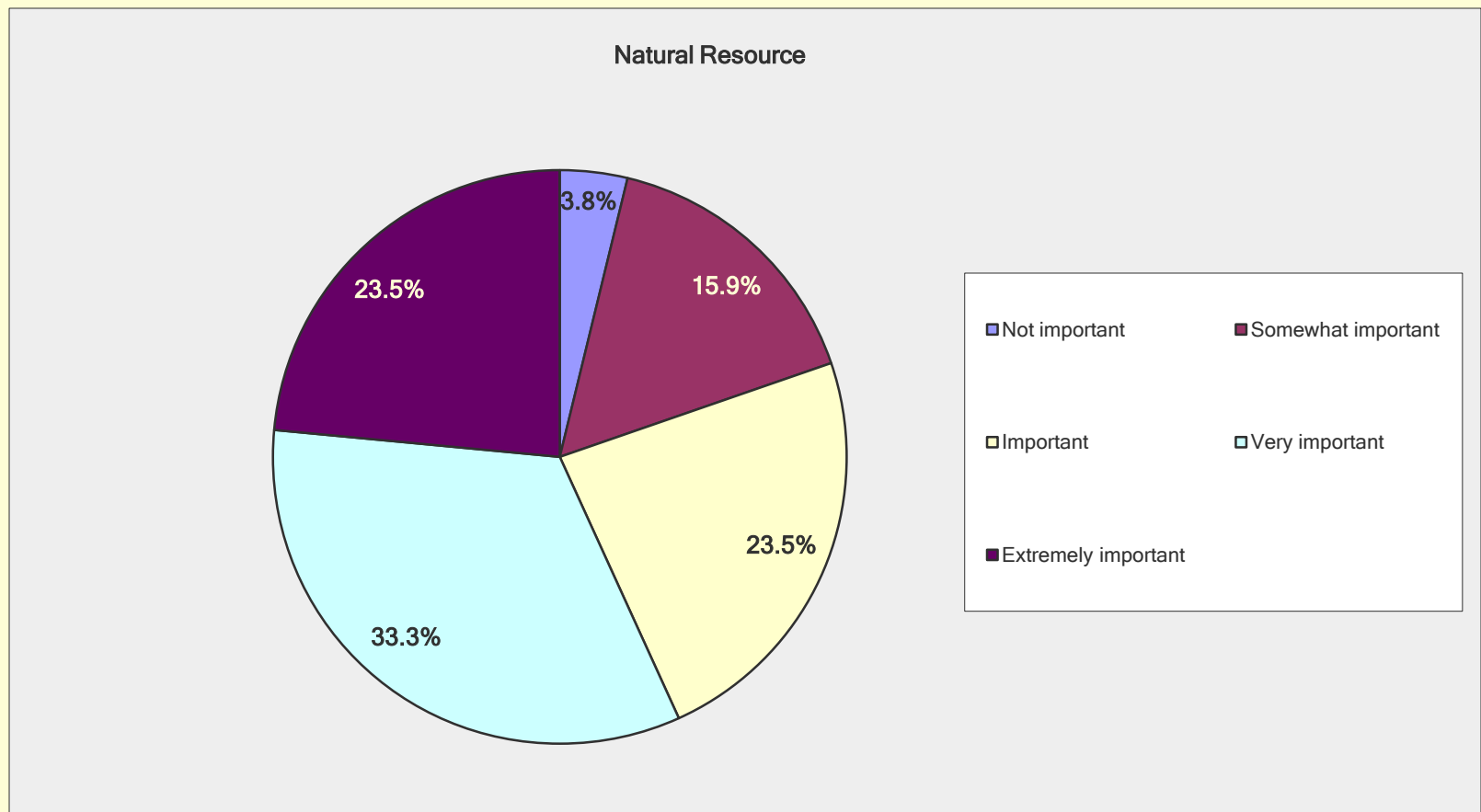


■ Not important ■ Somewhat important

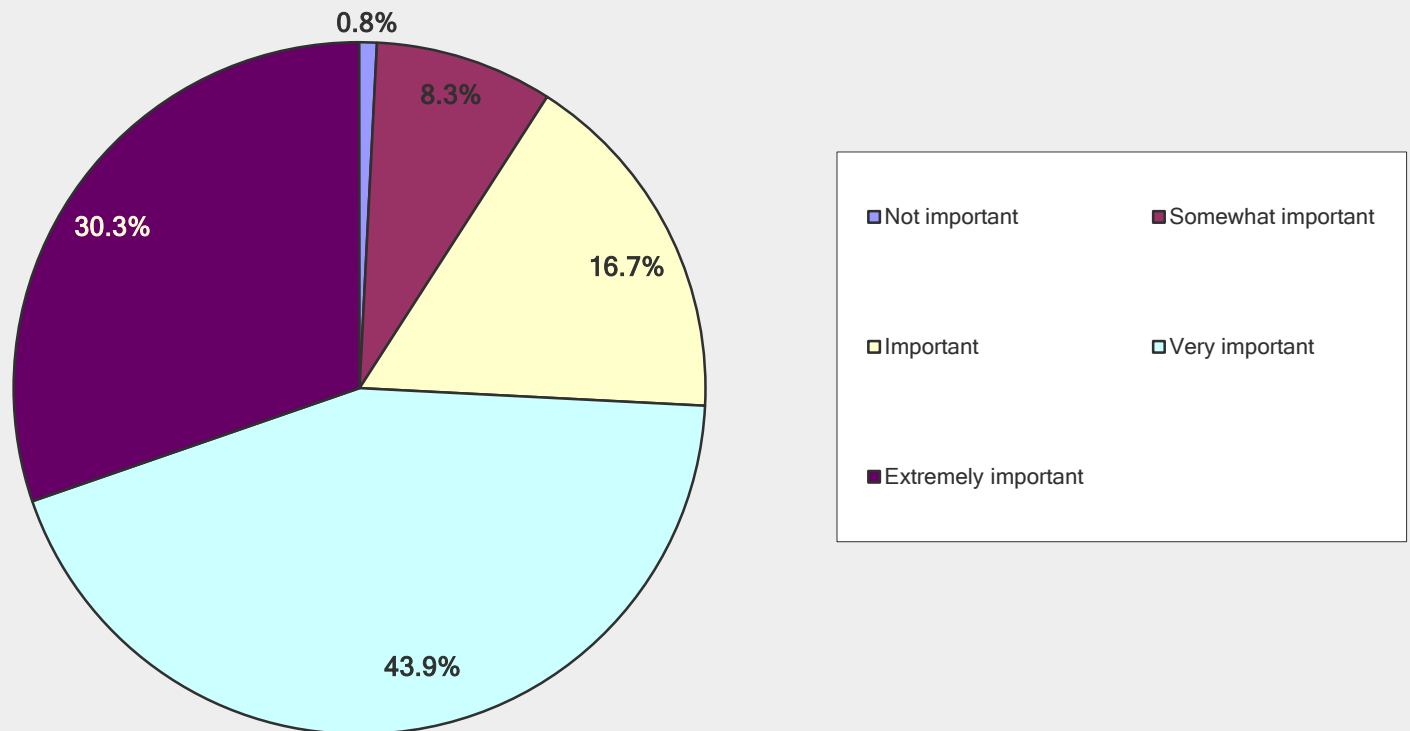
■ Important ■ Very important

■ Extremely important

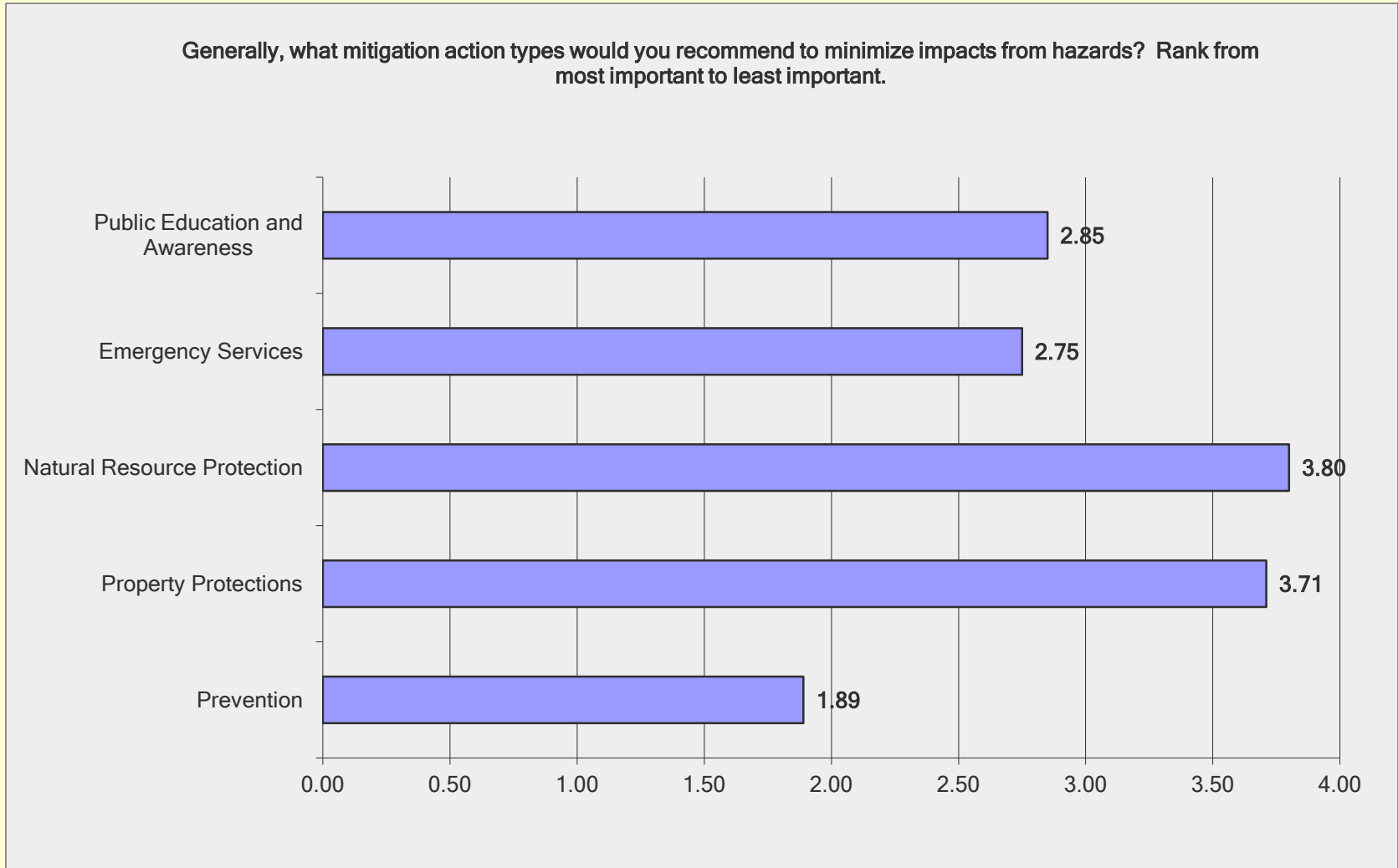
#26 - Natural Resource Protection: Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems. Examples include: floodplain protection, habitat preservation, slope stabilization, riparian buffers, and forest management.



#28 - Public Education and Awareness: Actions to inform citizens about hazards and the techniques they can use to protect themselves and their property. Examples include outreach projects, school education programs, library materials, and demonstration events.



#29 - Generally, what mitigation action types would you recommend to minimize impacts from hazards? Rank from most important to least important.





Prioritization Criteria

Attachment D, pages 34-36

Social - *impacts*

Technical - *effective*

Administrative - *resources*

Political - *support*

Legal - *authority*

Economical – *cost effective*





Strategy 1: Energy Assurance Plan

- identifies and assesses power-backup capabilities for all City's critical infrastructure (for example, pumps, data centers, dispatch) and buildings utilized for essential services (such as health-safety, water, sewer, waste and transportation);
 - coordinates energy resources among public and private partners; and,
 - establishes a program and schedule to implement recommended power upgrades and coordination programs..
- 



Strategy 2: Disaster Preparedness Program

To prepare for natural disasters, educate populations (residents, property owners, and businesses) that are vulnerable to Merced's natural hazards about:

- shelter sites;
- disaster advisory and warning systems; and,
- “before, during” and after” resources from community entities (e.g. hospitals, schools, public works).

Develop and deploy methods that assure access to this information and to these resources.





Strategy 3: Black Rascal Creek Basin

Support Merced County efforts to construct the Haystack
Alternative of Black Rascal Creek.





Strategy 4: Storm Drainage Improvements

Develop and enhance storm-water drainage improvements to reduce frequent flooding. Projects may involve canals, storm-water drains, basins, trunk lines, auxiliary pipes, and interconnections. For example, increase the current stormwater diversion (at Fahrens Creek, south of Yosemite Avenue) of 50 cubic feet per second (cfs) to 200 cfs, so that storage capacity is not wasted during larger flooding events.





Strategy 5: Update Drainage Master Plan

Update the City's Storm-water Drainage Master Plan.





Strategy 6: Natural Area Fire Prevention Plan

Prepare a *Natural Area Fire Prevention Plan* for those areas of Merced to be developed adjacent to natural open space areas (as opposed to agricultural fields or private property) in order to determine the best approach to address and provide a coordinated plan for conflicting needs:

- Air Quality
- Natural resource protection
- Property rights

Methods would include acceptable site and building designs, and weed abatement.





Strategy 7: Seismic Vulnerability Assessment

Perform building-specific, structural seismic vulnerability assessment of City-owned critical facilities (buildings and infrastructure) constructed prior to 1980, and take actions to upgrade or retrofit as needed.





Strategy 8: Retrofit or Upgrade

Retrofit or upgrade unreinforced masonry buildings in Downtown Merced, or other buildings in the Plan area.





Strategy 9: Underground Utility Services

Pursue program of conversion of overhead utilities to underground service that serve critical facilities or other sensitive sites to reduce exposure to hazards, where possible.





Strategy 10: Shelter and Emergency-Provision Plan

Prepare a *Shelter and Emergency-Provision Plan* resulting in identification of existing and future sites and buildings, as well as improvements for their establishment or enhancement.



Council and Public Input



3. Prioritization Exercise





Prioritization Criteria

Attachment D, pages 34-36

Social - *impacts*

Technical - *effective*

Administrative - *resources*

Political - *support*

Legal - *authority*

Economical – *cost effective*





Prioritization Exercise

Dot Priority Values			
	Red	Blue	Yellow
<i>Priority</i>	High	Medium	Low
<i>Dot Value</i>	4	3	2
<i>Number of Dots</i>	6	6	6



Council and Public Input



Next Disaster Council Meeting
Local Hazard Mitigation Plan Meeting #6

City of Merced
January 25, 2013

