

# Purpose: Reduce impacts to the built environment and the whole community

- Identify natural hazards
- Determine potential impacts
- Develop and implement mitigation measures

## FEMA requirement to be updated every five years

- Comply with Federal and State requirements
- Maintain eligibility for pre- and post-disaster funding

## Natural Hazard Mitigation Plan

Public Review Draft | September 2022





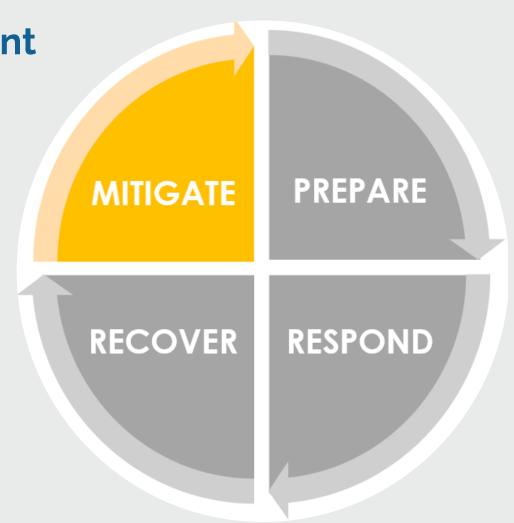
Four Phases of Emergency Management

**Prepare:** Life safety through planning, training and educational services

**Respond**: Life safety through actions taken in the immediate aftermath of a disaster

**Recover**: Returning to normalcy through restoration efforts

Mitigate: Actions taken to reduce the impact of disasters to the built environment, public and private





#### **Steering Committee**

- 13 City Departments, Including Port, Airport and Water
- County Office of Emergency Management, FEMA, Region 9, CalOES
- Local non-profits, Red Cross, CSULB, LBCC, and LBUSD
- National Flood Insurance Plan, US Geological Survey, US Corps of Engineers



#### **Public Outreach and Engagement**



2,500

Unique Engagements via Social Media and Survey



9/16/22

Launched Hazardous Mitigation Website



9

Citywide Locations with Plan Available to Public



30

Days for Public Review of Draft Plan

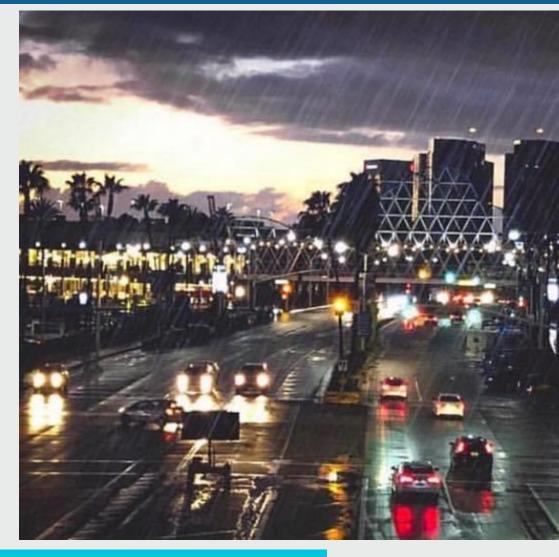


#### **Risk Assessment Methodology**

- Profile each hazard
- Determine exposure & vulnerability

#### **Assessment Tools**

- Map hazard area
- Model potential for losses
- Building cost estimates





#### 2022 Natural Hazards of Highest Concern\*

- Earthquake
- Tsunami
- Dam Failure
- Climate Change/
  Sea-Level Rise

- Severe Weather
  - Extreme Heat
  - Thunderstorms
- Flooding
- Drought



\*In no particular order.



## Samples of mitigation measures/policies to be maintained or upgraded:

- Generator and pump station maintenance
- Beach berm maintenance
- Building codes adoption
- Early warning systems
- Plans for senior, disabled and AFN communities
- Shelters and Cooling Centers

- Earthquake and tsunami drills
- Evacuation plan development
- Retrofit city critical infrastructure
- Gas and water line upgrades
- Storm water drainage systems
- Flood plan management
- Water conservation programs



#### **Integration with Existing Plans**

- Climate Action and Adaptation Plan
- Public Health Plans
- Land Use and Air Quality Elements
- Safety Element, including Seismic
- California Fire and Building Codes
- Emergency Operations Plan
- Coastal Plan
- Mobility Element





#### **Next Steps**

- City Council consideration
- Submit draft plan to CalOES and FEMA for review
- Authorize City Manager to amend as prescribed

