

# Federal Emergency Management Agency

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## Hazard Mitigation Planning Program

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*National Association of Latino Elected and Appointed Officials*

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*National Association of Latino Elected and Appointed Officials*



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Region 6

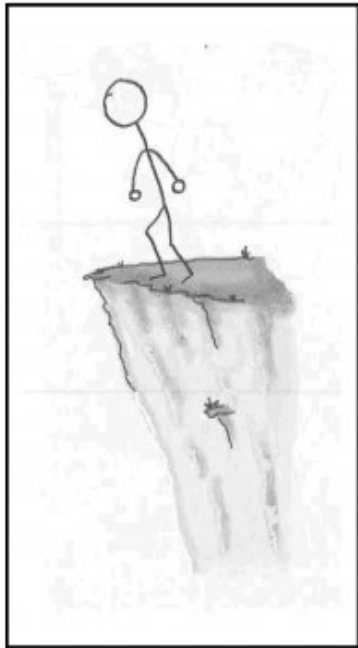
# Why Plan?



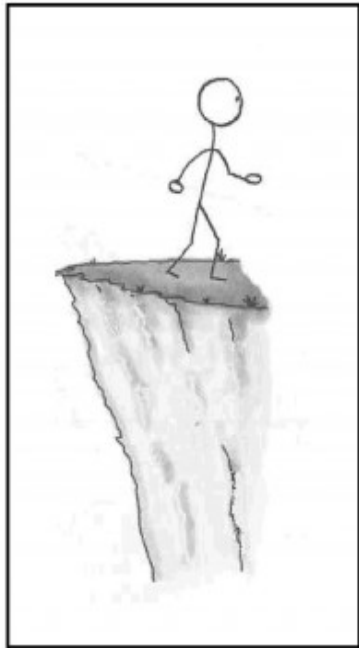
FEMA

# Risk Management

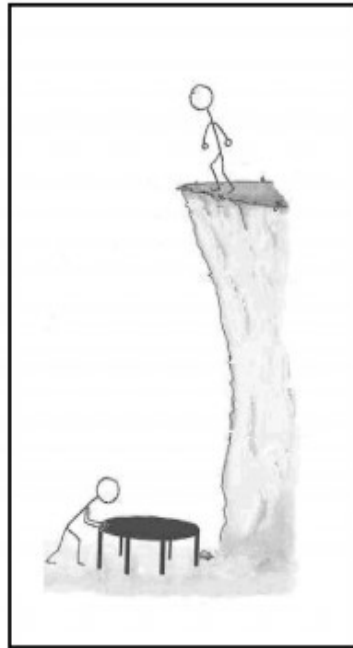
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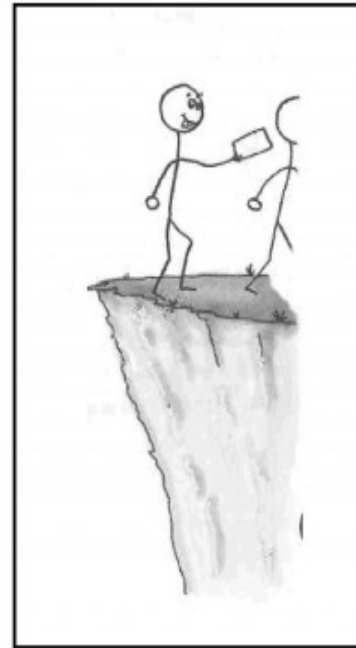
Your project



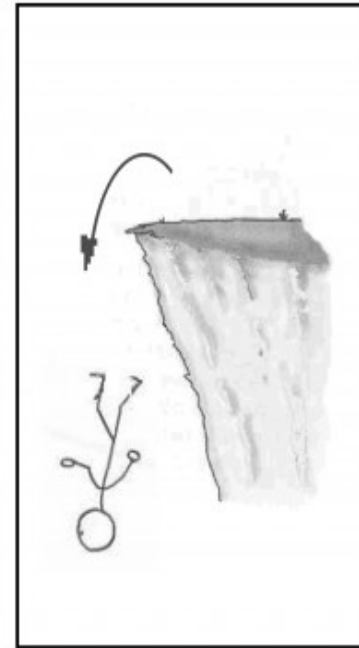
Avoid



Mitigate



Transfer



Accept



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# Disaster Mitigation Act of 2000, Pub. L. 106-390

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- Encouraging the development of comprehensive disaster preparedness and assistance plans, programs, capabilities, and organizations by the states, tribal and local governments;
- Encouraging individuals, states, tribal, and local governments to protect themselves by obtaining insurance coverage to supplement or replace governmental assistance;
- Encouraging hazard mitigation measures to reduce losses from disasters, including development of land use and construction regulations;

*Other supporting regulations and statutes:*

- *National Flood Insurance Act and Sandy Recovery Improvement Act*
- *CFR Title 44, Part 201*
- *Voluntary Program*



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# Program Plan Requirement

|  | Program        | State                          | Local | Tribal      |
|--|----------------|--------------------------------|-------|-------------|
| Stafford Act<br>(as amended by DMA<br>2000)  | IA             | No Mitigation Plan Requirement |       |             |
|  | PA (A-B)       | No Mitigation Plan Requirement |       |             |
|  | PA (C-G)       | ✓                              |       | ✓ (Grantee) |
|  | FMAG           | ✓                              |       | ✓ (Grantee) |
|  | HMGP           | ✓                              | ✓     | ✓           |
|  | PDM            | ✓                              | ✓     | ✓           |
| National<br>Flood<br>Insurance<br>Act & SRIA | FMA            | ✓                              | ✓     | ✓           |
|  | <del>SRL</del> | ✓                              | ✓     | ✓           |
|  | <del>RFC</del> | ✓                              |       | ✓ (Grantee) |



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# Hazard Mitigation Plan



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# 1. Organize Resources

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- Contract Assistance or In-house development?
- Update Existing Plan or New Plan?
- Gather FEMA resources ([www.fema.gov](http://www.fema.gov))
- Plan Development Budget
- Identify Stakeholders and Planning Partners
- Meeting Venue
- Timeline
- Adoption Process and Follow Through



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# 2. Assess Risks (Threats & Hazards)

## ➤ Identify Hazards

- Geographically specific, such as flood, landslide, erosion, etc.
- Non-geo-specific; winter storm, high wind, tornado, etc.

## ➤ Profile Events

- Establish event trends & impact
- Estimate future probability

## ➤ Assess Vulnerability

- Building stock
- Building codes over time
- Social factors
- Employment & tax base

## ➤ Estimate Potential Losses

- What is at stake?
- HAZUS-MH



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# Risk Assessment Toolbox



- **THIRA (Threat Hazard Identification & Risk Assessment – States & UASI)**
- **Floodplain Management Plan**
- **Emergency Management – After Action Reports**
- **Engineering Studies**
  - FEMA Digital Maps; Risk MAP
  - Independent Engineering Studies
  - U.S. Army Corps of Engineers
- **FEMA HAZUS – MH**
- **Local Knowledge**
  - Oral History; Old Photographs
- **Partnerships with Universities**
- **National Weather Service**
- **Floodplain Managers Associations**



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# Mitigation Strategy

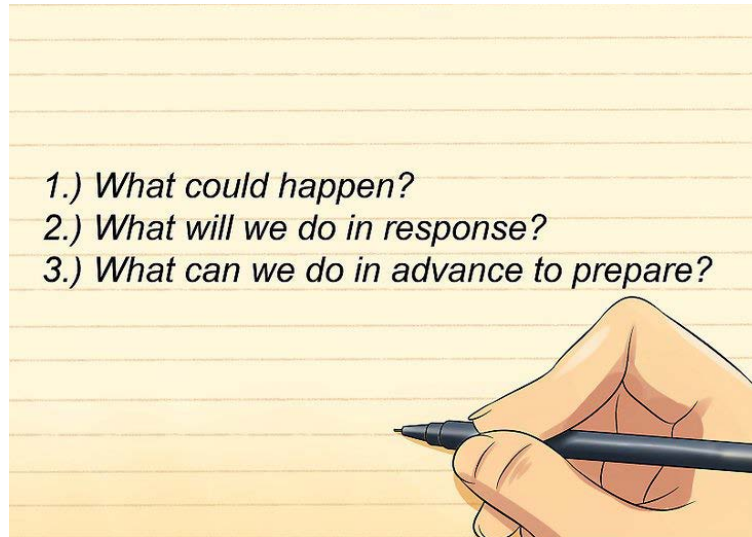
*A Thorough Risk Assessment  
Leads to an Effective Mitigation  
Strategy*



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# 3. Develop the Mitigation Plan

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- **Document the Planning Process**
  - Who, What, When, Where, How
- **Capability Assessment**
  - Measure existing resilience
  - Where are the gaps?
- **Develop Hazard Mitigation Goals**
  - How do you want to see your community?
  - What commitment do you need?
- **Identify & Analyze Mitigation Measures**
  - Projects, Ordinance, Outreach
- **Identify Funding Sources**
  - Local (tax base), State, Federal, Private or Grant sources



# 4. Adopt the Plan and Monitor Progress

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- **Adoption**
  - Resolution, Ordinance, etc.
- **Implement Mitigation Measures**
  - Put the Plan to Work!
- **Implement using Existing Programs**
  - City/County-wide programs, flood control programs, public works initiatives, permit office to enforce building codes, etc.
- **Monitor, Evaluate & Update**
  - Annual review and evaluation
  - Selection of new measures
  - 5 year update
- **Continue Public Involvement**
  - Strategy to engage public



# Review & Approval Process

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- **FEMA provides technical assistance and guidance to the States.**
- **State provides technical assistance and guidance to local jurisdictions.**
- **Local jurisdictions develop plans.**
- **Completed plans are submitted to the State for review.**
- **State provides review and technical assistance to reach compliance.**
- **State submits approvable plans to FEMA.**
- **FEMA provides federal compliance review;**
  - Technical assistance is offered for every plan FEMA reviews
- **Plan returned to State with review result:**
  - Approvable Pending Adoption (APA) or Denied
  - APA: local jurisdiction will adopt and submit resolution to State/FEMA
  - Denied: local jurisdiction will amend and resubmit to the State



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# What are the Benefits?

- **Actively Manage Risk**
- **Become Resilient by creating a Risk Conscious Culture**
- **Eligibility for FEMA HMA Grants:**
  - Hazard Mitigation Grant Program (HMGP)  
(statewide; 75/25%)
  - Pre-Disaster Mitigation  
(national 75/25%)
  - Flood Mitigation Assistance  
(national up to 90%)



Resource: <https://www.fema.gov/hazard-mitigation-planning-resources>



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# Benefit After Disaster

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- Source for Post-Disaster detail; areas at risk.
- Informs Recovery teams areas of concern to the community and steps identified to reduce risk.
- Gives immediate idea for short and long-term potential projects.
- Establishes partnerships that will be leveraged after a disaster.
- Immediate eligibility to FEMA Mitigation Grants; pending State project approval.



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# FEMA App

- Weather Alerts
- Emergency Checklist
- Share Disaster Photos
- Open Shelters
- Open Recovery Centers



Recibe alertas del Servicio Nacional de Meteorología en hasta cinco lugares (Emitidas en inglés)



Recibe notificaciones y consejos para sobrevivir desastres naturales, y prepara tu lista de emergencias



Encuentra refugios y dónde se puede hablar con FEMA en persona, y aplica para asistencia federal



Comparte tus fotos en FotoDesastre, para ayudar a sobrevivientes y la respuesta a desastre



Facilmente cambia a su idioma preferido, Inglés o Español



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# Image Credits

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Slide 1: <https://pixabay.com/en/blog-word-cloud-wordle-graphic-1337564/>

Slide 2: <https://opentextbc.ca/projectmanagement/chapter/chapter-16-risk-management-planning-project-management/>

Slide 5: <https://www.fema.gov/hazardmitigation/>

Slide 6: <http://www.projectinsight.net/blogs/project-management-software-implementation-and-user-adoption-tips/5-pitfalls-of-project-management-software-implementation>

Slide 7: [http://www.nola.com/weather/index.ssf/2016/08/week\\_1\\_of\\_the\\_louisiana\\_flood.html](http://www.nola.com/weather/index.ssf/2016/08/week_1_of_the_louisiana_flood.html)

Slide 7: <https://sites.google.com/a/cusdk8.org/geniushourarul/tornado>

Slide 7: [http://www.weatherwizkids.com/?page\\_id=94](http://www.weatherwizkids.com/?page_id=94)

Slide 8: <https://coast.noaa.gov/digitalcoast/tools/hazus-mh.html>

Slide 9: <http://www.wikihow.com/Write-a-Contingency-Plan>

Slide 10: <http://www.automotive-fleet.com/channel/gps-telematics/article/story/2014/10/how-to-properly-implement-a-telematics-program.aspx>

Slide 11: <https://www.econocheck.com/ourprocess.html>

Slide 13: <https://globalresiliencecollaborative.com/2015/12/11/define-resilience-please/>

Slide 14: <https://www.fema.gov/careers>



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