

Mitigation and Resiliency Strategies for Schools and Institutions of Higher Education

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Mitigation and Resiliency Strategies for Schools and Institutions of Higher Education



U.S. Department of Education
Office of Safe and Healthy Students

Housekeeping

- To download an accompanying resource list, select “Resource List” in the Downloads box on your screen and click the “Download File(s)” button.
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Questions
during the
Webinar?

Please use the
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Questions
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Webinar?

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Agenda

1. *Introduction to Mitigation and Resilience*

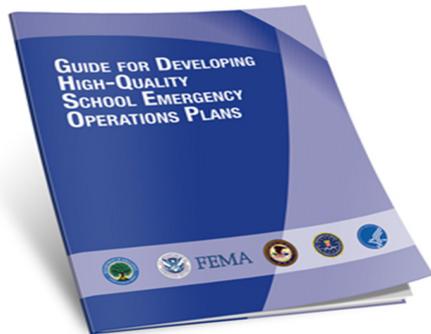
2. Integrating School and IHE Efforts Into Local and State Plans

3. Higher Ed Mitigation and Resilience

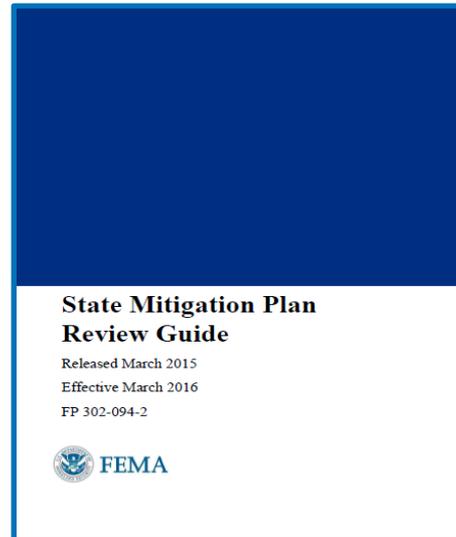
4. School Mitigation and Resilience

5. Q&A Session

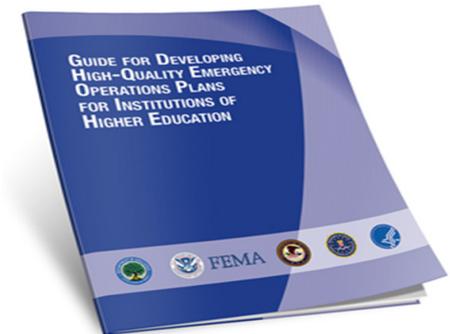
Federal Guidance



Elementary &
Secondary Education



Mitigation



Higher Education

Mitigation Definitions

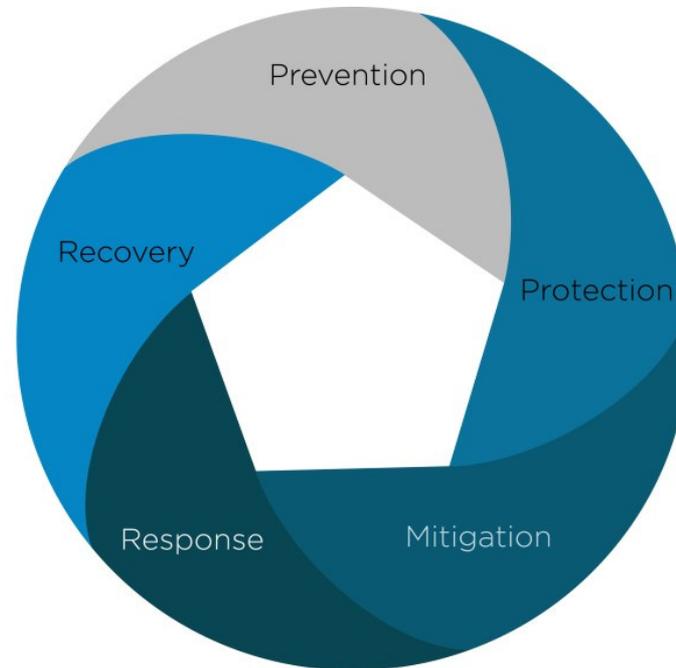
The capabilities necessary to eliminate or reduce the loss of life and property damage by lessening the impact of an event or emergency.

The actions schools and IHEs take to eliminate or **reduce the loss of life, injuries, and property damage** from an emergency event.

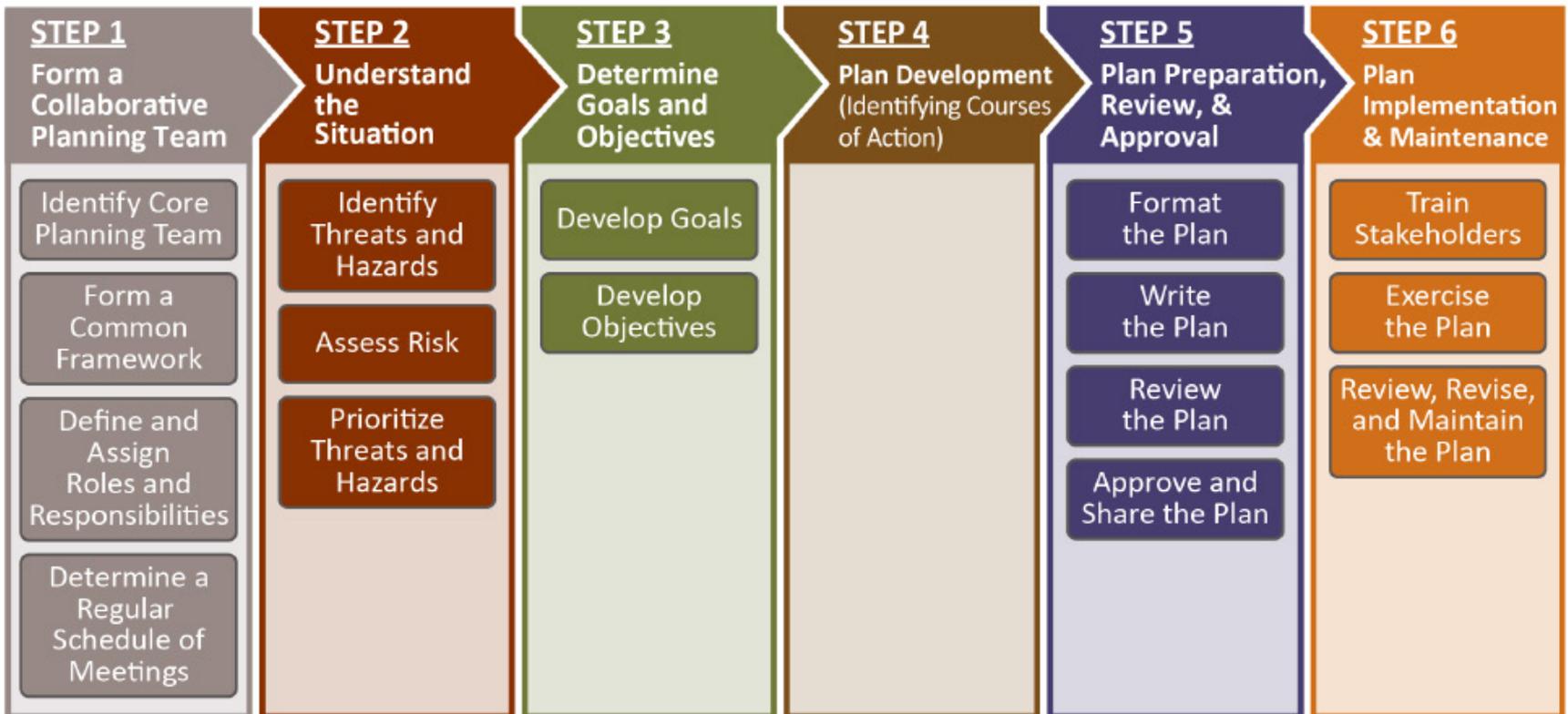
Resilience Definition

The ability to adapt to changing conditions and withstand and rapidly recover from disruption due to emergencies.

Five Preparedness Missions



Six-Step Planning Process



Mitigation Activities

Select an appropriate site for new buildings.

Conduct structural & nonstructural mitigation activities for buildings.

Secure building contents.

Adapt the grounds.



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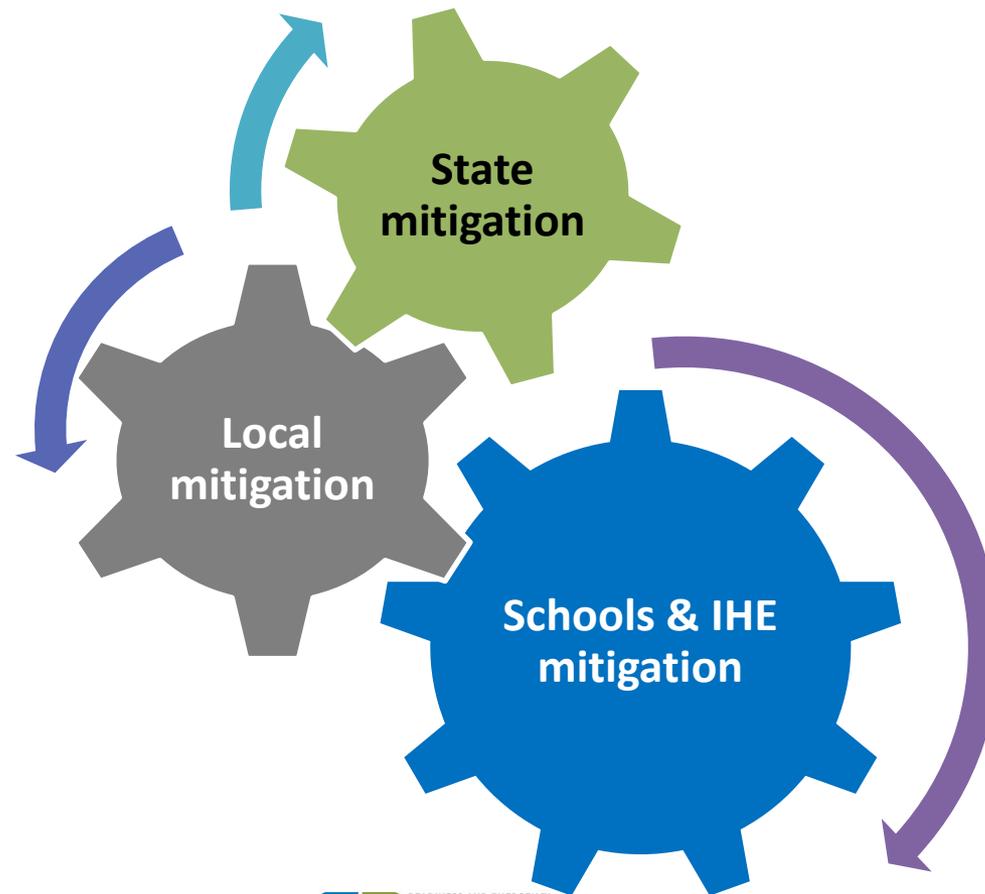
2. Integrating School and IHE Efforts Into Local and State Plans

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Local & State Mitigation Planning



Planning Processes

Six-Step Planning Process

Step 1: Form a Collaborative Planning Team

Step 2: Understand the Situation

Step 3: Determine Goals & Objectives

Step 4: Plan Development (Identifying Courses of Action)

Step 5: Plan Preparation, Review, & Approval

Step 6: Plan Implementation & Maintenance

Mitigation Planning Process

Seek Public Involvement

Assess Risks

Develop Mitigation Strategy

Create Mitigation Plan

Reviewed by local & state governments, then FEMA

Plan Maintenance & Updating

Stafford Act

PDM

- Pre-Disaster Mitigation Grant Program

HMGP

- Hazard Mitigation Grant Program

PA

- Public Assistance Grant Program

FMAG

- Fire Management Assistance Program

Support for IHEs and Schools

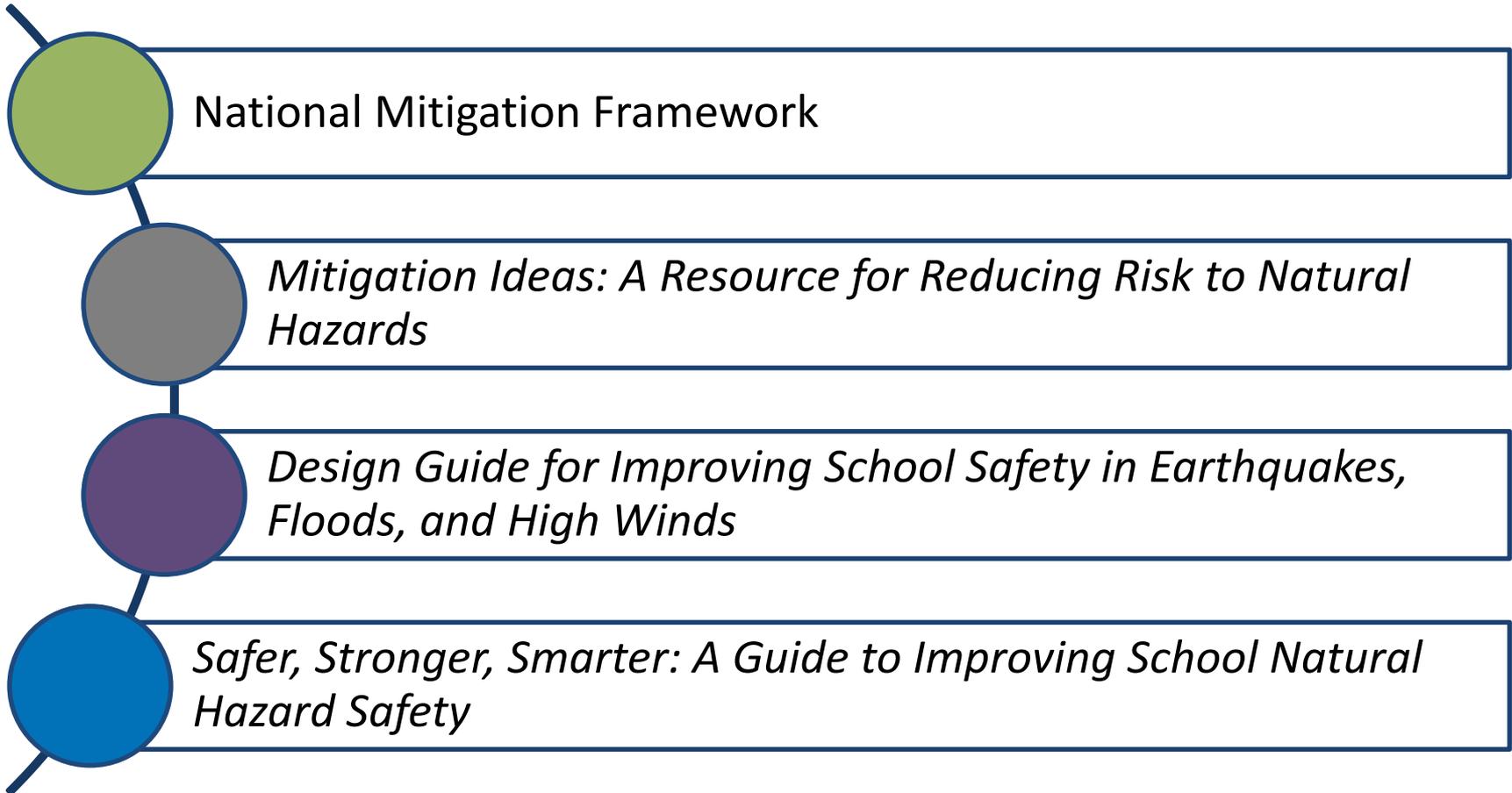
States are to

- Coordinate local and state mitigation efforts;
- Develop a state mitigation plan;
- Provide funding for local mitigation efforts; and
- Provide technical assistance and training.

Local governments are to

- Develop a local mitigation plan; and
- Distribute funding for local projects.

Mitigation/Resilience Resources



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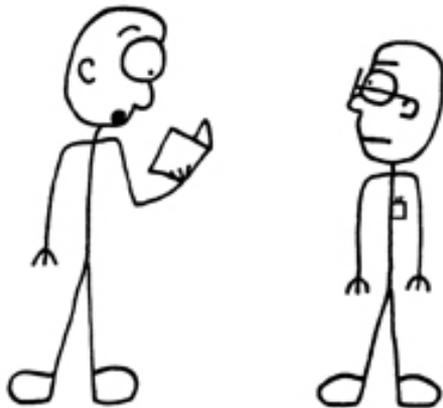
3. *Higher Ed Mitigation and Resilience*

4. School Mitigation and Resilience

5. Q&A Session

Why Multihazard Mitigation & Resilience Strategies Are Important

Crisis Management Center



I'm not sure "everyone dies" is a great emergency plan.

reodorant.com



**Poor Planning Leads to Poor Decision-Making
When It Matters the Most**

Dichotomy of Internal & External Threats

Cyber Security

**Employee
Strikes**

Active Threat

**Random
Phenomena**

Cyber Bullying

Insider Threat

**Community
Relations**

**Economy
Political Climate**

Terrorism

**Infectious
Outbreak**

**Accidents &
Accidental
Deaths**

**Non-
compliance**

**Hate Crimes
Discrimination**

**Intentional
Disruption**

**Government
Politics**

**Disruption to
Research
Programs**

Sexual Assault

**Theft
Minor Crimes**

Climate Change

Pandemic

**Aging
Infrastructure**

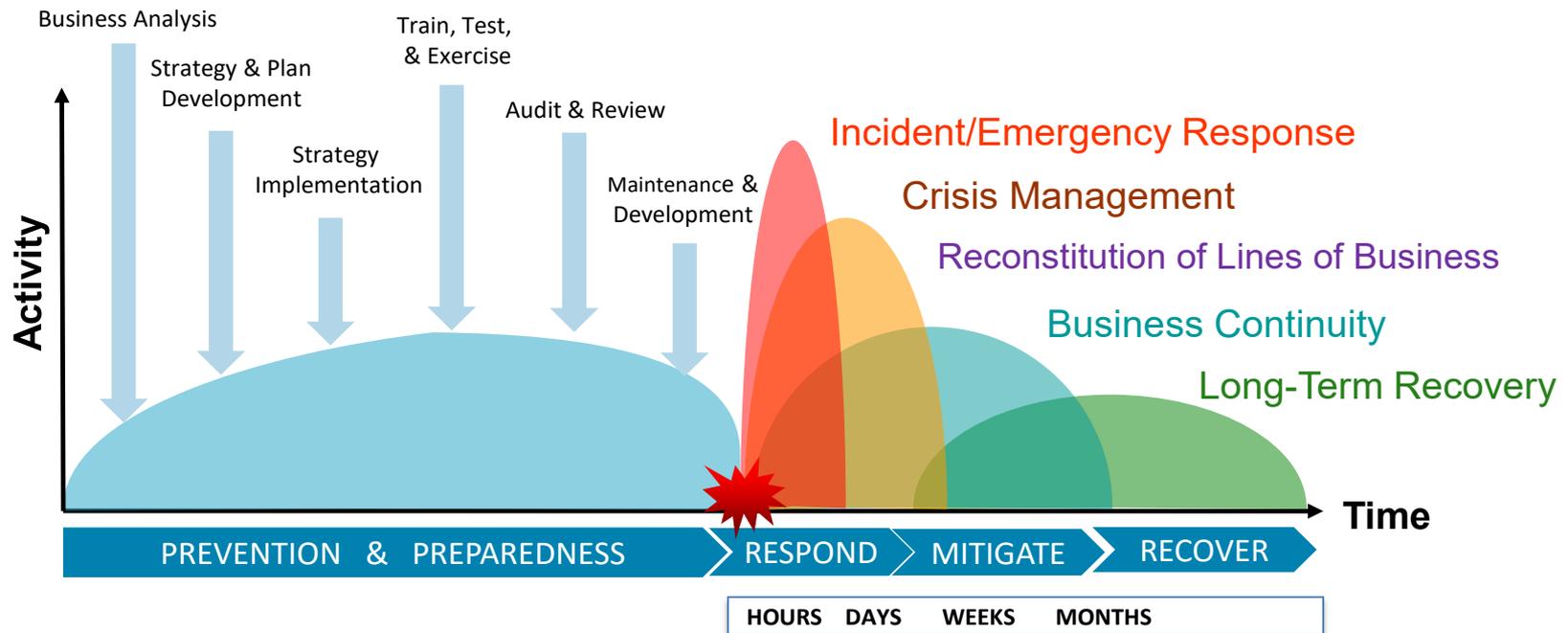
**Competition
With Other
Institutions**

**Regional
Instability
Overseas**

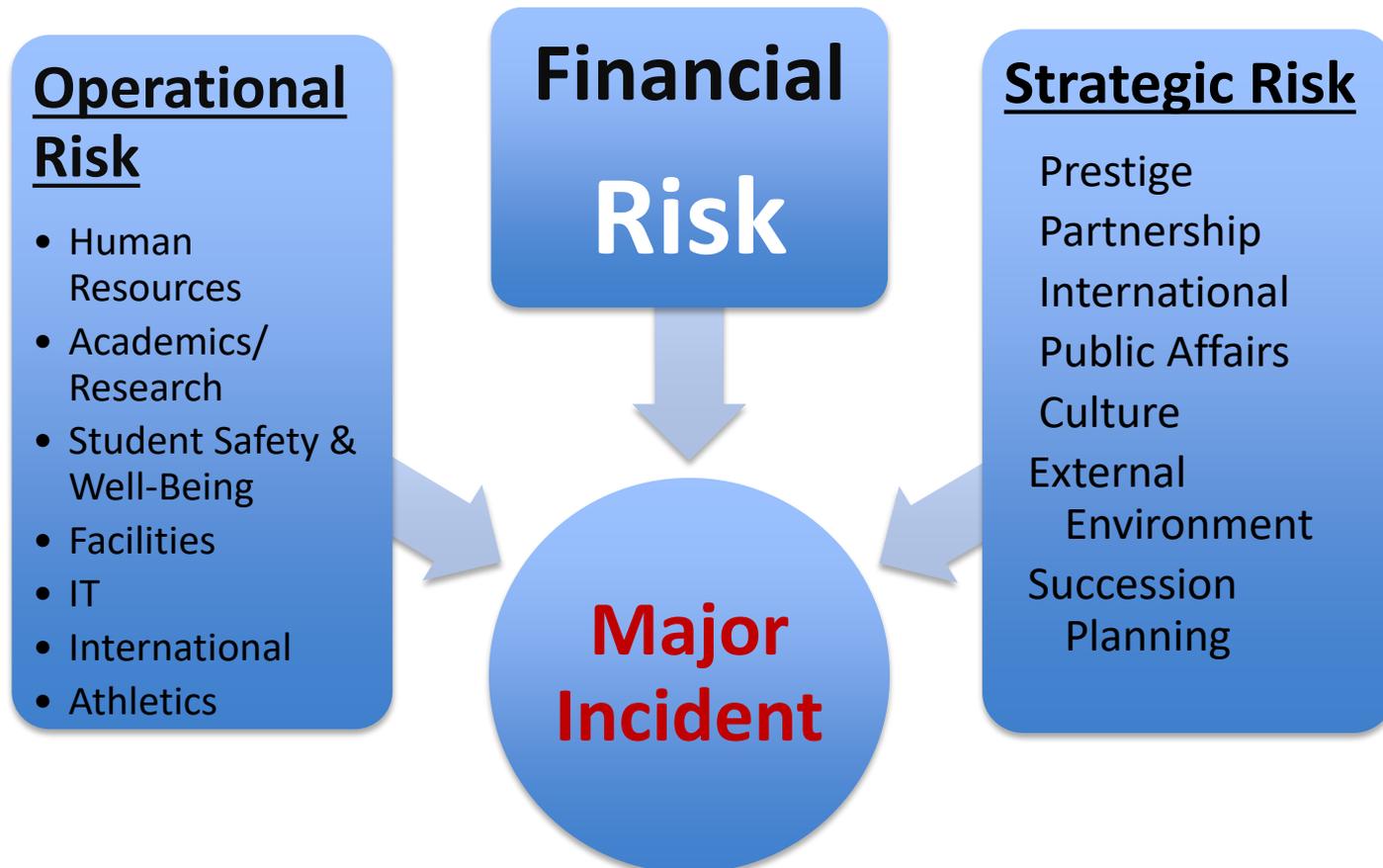
**International
Traveler
Accountability**

Kidnapping

Resiliency Strategy To Mitigate Risks



Strategic, Financial, & Operational Risks



Key Takeaway

To Gain Executive Leadership Support

Work closely with Risk Management to define the Strategic & Operational Risks to your institution.

Identify and prioritize gaps in your emergency preparedness, safety and security programs, processes, and procedures.

Develop the business case linked to risks and threats to support additional funding and resource requirements.

Develop a multiyear plan to address your most critical needs and gaps.

Consider ...

“It takes 20 years to build a reputation and five minutes to ruin it. If you think about that, you’ll do things differently.”

Warren Buffett

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4. *School Mitigation and Resilience*

5. Q&A Session

School Grounds

**School
Buildings**

**Other
Structures**

Playground

**School
Grounds**

Classroom Considerations

Freestanding cabinets, bookcases, and wall shelves

Heavy objects on high shelves

TV monitors

Incompatible chemicals stored in close proximity

Considerations for Evacuation Routes

Hallways

Lockers, bookshelves, or other storage units along the hallways

Lighting

Elevators

Exit routes

Roofs

Gas, sewer, or power lines

Hazard Mitigation Checklist

- ✓ Tabletop objects
- ✓ Objects from above
- ✓ Tall furniture
- ✓ Cafeteria
- ✓ Glass
- ✓ Miscellaneous

Neighborhood and Community

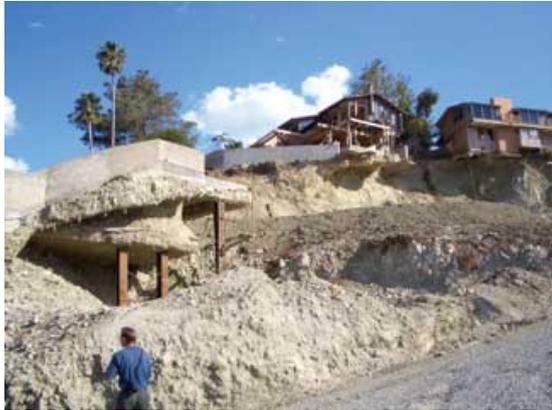
- High-voltage power lines
- Transportation routes
- Underground gas and oil pipelines
- Underground utility vaults and above-ground transformers



What Will Affect Your School?



What Will Affect Your School?



Mitigation Analysis

- Consider the location of each school site and its proximity to nearby critical infrastructure that could possibly create a problem for the school.
- Determine what the “Chance of Occurrence” is for your school(s) using a scale from 1 to 10 (10 being the greatest chance of occurrence). To assist with this step, research historical data, if possible, relating to certain hazards for the specific area you are analyzing.
- Determine what the “Effect” would be in a “worst case scenario” using a scale from 1 to 10 (10 being the greatest effect). Again, take into consideration any historical data that may be available.
- Prioritize this list based upon your conclusions using a scale of 1 to XX, with your highest “Planning Priority” being 1.

Mitigation/Hazard Analysis

Planning Priority	Risk	Chances of Occurrence	Effect
1	Earthquake	5	10
3	Fire	2	6
5	Aircraft incident	4	8
8	Tsunami	5	10
6	Flood	5	7
4	Power outage	6	8
7	Mud/landslide	1	3
2	Local police activity	5	4

From the *School Guide*

Hazard	Probability	Magnitude	Warning	Duration	Risk Priority
Fire	4. Highly likely 3. Likely 2. Possible 1. Unlikely	4. Catastrophic 3. Critical 2. Limited 1. Negligible	4. Minimal 3. 6–12 hrs. 2. 12–24 hrs. 1. 24+ hrs.	4. 12+ hrs. 3. 6–12 hrs. 2. 3–6 hrs. 1. < 3 hrs.	High Medium Low
Hazmat spill outside the school	4. Highly likely 3. Likely 2. Possible 1. Unlikely	4. Catastrophic 3. Critical 2. Limited 1. Negligible	4. Minimal 3. 6–12 hrs. 2. 12–24 hrs. 1. 24+ hrs.	4. 12+ hrs. 3. 6–12 hrs. 2. 3–6 hrs. 1. < 3 hrs.	High Medium Low

Orange County Intelligence Assessment Center (OCIAC)

**Works with all K-12 schools in Orange County
(public and private schools)**



Two Main Goals:

1. Collect standardized data across the entire county for all schools in order to improve multiagency response in the event of an emergency.
2. Ensure that all schools have emergency mitigation plans, policies, and procedures in place that conform with best practices, and encourage continual review and training.

Emphasis on active shooter situations, but all threats to school safety are considered.

Implementation

- 
- Each school district administrative office and law enforcement agency.

- 
- Once contact was established, a questionnaire was sent out (School Response Form) from the district administration to each school's principal.

- 
- OCIAC staff trained district/school staff and law enforcement personnel (School Resource Officers) to carry out each assessment.

Implementation, continued

- Each principal and School Resource Officer completes the School Response Form.
- Follow-up visit conducted by the assigned law enforcement officer to assist in completing the site vulnerability walk-through.
- During the visit, the officer will assess the school's drills and procedures and collect further data.

Implementation, continued

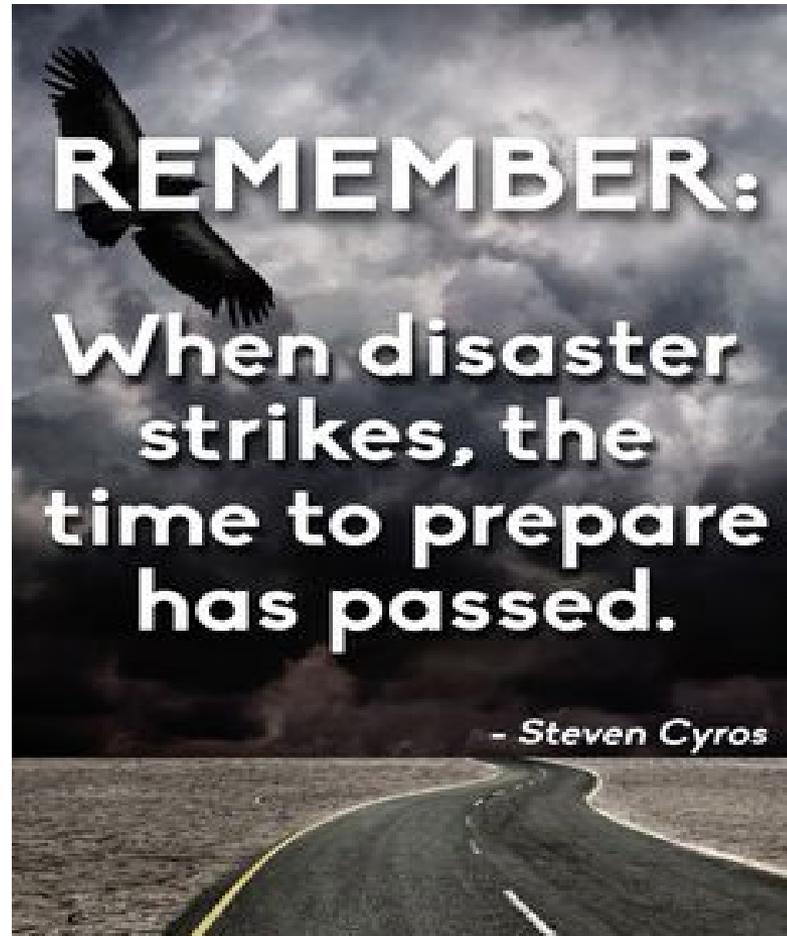
Once all data are collected:

- Each School Resource Officer continues to maintain close contact with his or her assigned schools and encourages regular review of procedures and performance of exercise.
- Once data are collected and returned to OCIAC, the data are entered into a secure database and stored. Bottom line—response plans will be made available to first responders electronically.



It's not what happens in the beginning,
it's what happens during the "rippling effects."

Importance of Tabletop Exercises and Resiliency ...



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Thank You!

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Christine Laehle

Program Specialist, Orange County Department of Education

Get Connected

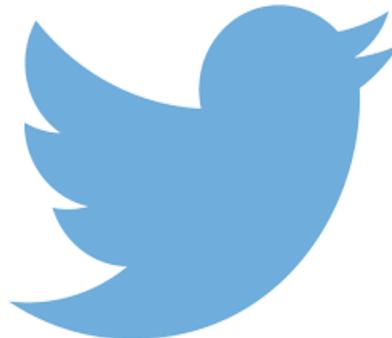


Phone: (855) 781-7367 (REMS)
Email: info@remstacenter.org

For additional information, resources, training, and technical assistance, please contact the REMS TA Center.

Request
an
On-Site
Training

Request
Technical
Assistance



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Community of Practice Chat

The screenshot shows the top navigation bar of the REMS website. The logo for 'REMS TECHNICAL ASSISTANCE CENTER' is on the left, with the text 'READINESS AND EMERGENCY MANAGEMENT FOR SCHOOLS' above it. The navigation menu includes 'HOME', 'K-12 SCHOOLS & DISTRICTS', 'HIGHER EDUCATION', 'TECHNICAL ASSISTANCE', and 'ABOUT US'. Below the navigation is a green banner with the title 'Community of Practice (CoP)' and a map of the United States. The text below the banner reads: 'A virtual space for schools, school districts, institutions of higher education (IHEs), and their community partners to collaborate, share, and learn from the experiences of others in the field'. Below the banner is a navigation bar with 'CoP HOME', 'ABOUT THE CoP', 'FORUMS' (highlighted in yellow), 'RULES', and 'MY PROFILE'. Below that is a blue bar with 'Recent Topics', 'Recent Posts', 'Search', 'Users', 'Administrator', 'Moderator (6)', and 'FAQ'. At the bottom of the screenshot is a grey bar with the 'FORUMS' link, 'Unread Topics 1', 'Messages 0', and a user profile for 'administrator my profile'.

[stop watching this topic](#) [move thread to forum:](#) [merge with another topic](#)

Mitigation/Resilience Web Chat