Evacuate Now!
Evacuation Risk Assessment & Gap Analysis
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Agenda

• Framework
• Vulnerability Assessment
• Continuity of Operations
• The Role of Transportation
• Conclusions/Discussion
Definitions

- Safety
- Security
- Emergency Management
Assessing Vulnerability

- Accidents
- Acts of Nature
- Hazardous Materials
- Critical Infrastructure
- Criminal Activity
- Terrorism
Assessing Vulnerability

- Historical Analysis
- Physical Analysis
- Expert Evaluation
- Scenario Analysis
Accidents and Incidents

- Vehicle Accidents
- Passenger Incidents
- Employee Incidents
- Fire
Acts of Nature

- Flooding
- Winter Storms
- Tornadoes
- Wildfire
- Earthquake
- Landslides/Avalanches
- Dust Storms
- Fog
Critical Infrastructure

- Power Outages
- Computer Crash/Cyber Attack
- Communication Systems
- Supply Chain Interruption
- Facility Loss
- Staff Shortage
- Employee Malfeasance
Hazardous Materials

- Bloodborne Pathogens
- Fuel Spills/Releases
- Blister Agents
- Pulmonary Agents
- Neurological Agents
- Radiological Emergencies
Criminal Activity

- Trespassing
- Vandalism/Criminal Mischief
- Workplace Violence
- Commandeered Vehicle
- Bomb Threat
Terrorist Attack

- Dangerous Mail
- Suicide Bomber
- Improvised Explosive Device
- Weapon of Mass Destruction
Emergency Management

- Prepare
- Prevent
- Respond
- Recover
Hazard/Threat Levels

- Severe
- Elevated
- Guarded
- Low
Preparedness

• Planning
• Training
• Exercises
Prevention

- Gather Information
- Communicate Risks
- Strengthen Security
- Identify Resource Needs
- Establish Contingency Plans
- Pre-Position Resources
- Coordinate with Partner Agencies
Response

- Activate Response Team
- Deploy Response Resources
- Make Service Adjustments
- Make Proper Notifications
Recovery

- Reconstitution
- Service Modification
- Repair/Replace Disaster Damaged Assets
- Conduct After Action Analysis
- Institute Changes
Operational Continuity

- Essential Mission
- Essential Functions
- Essential Resources
Evacuate Now!

Critical Assets

- People
- Information
- Property
COOP Planning

• Continuity of Management
• Service Suspension Thresholds
• Service Suspension Protocols
• Service Resumption Thresholds
• Service Resumption Protocols
# Evacuation Thresholds

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<thead>
<tr>
<th>Evacuation Level</th>
<th>Parameters</th>
<th>Examples</th>
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<td><strong>Low</strong>&lt;br&gt;Managed by local jurisdiction&lt;br&gt;Monitored by OA</td>
<td>Incident impacts within just one municipality&lt;br&gt;&gt; 5,000 evacuees</td>
<td>- Structural fire&lt;br&gt;- Bomb/bomb threat&lt;br&gt;- Hostage situation&lt;br&gt;- Hazmat spill&lt;br&gt;- Mudslide&lt;br&gt;- Aviation accident</td>
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<td><strong>Moderate</strong>&lt;br&gt;Mutual aid required&lt;br&gt;County Disaster Proclamation likely&lt;br&gt;State Disaster Proclamation possible</td>
<td>Incident impacts affect multiple jurisdictions&lt;br&gt;5,000-25,000 evacuees</td>
<td>- Wildfire&lt;br&gt;- Flood&lt;br&gt;- Earthquake&lt;br&gt;- Tsunami&lt;br&gt;- Stage II power failure&lt;br&gt;- Industrial accident&lt;br&gt;- Credible terrorist threat&lt;br&gt;- Civil unrest/riot</td>
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| **Severe**<br>State Disaster Proclamation<br>Presidential Disaster Declaration possible | Incident impacts are regional<br>&lt; 25,000 evacuees | - Major wildfire<br>- Major flood<br>- Dam failure<br>- Dirty bomb<br>- Nuclear release<br>- Earthquake &lt; 6.5
Evacuation Objectives

- Access Control
- Expedite Movement (People, Animals, Goods)
- Assure Safe Reentry
Transportation Strategies

- Traffic Signal Coordination
- Intelligent Transportation Systems
- Route Designation
- Contraflow
- Segregation of Cars and People
- Freeway Patrol Services
Concept of Operations

- Transportation Management Teams
- Staging
- Embarkation Points
- Transportation Hubs
- Evacuee Manifesting and Tracking
- Evacuation Information
- Care and Shelter
Connecting with the EOC

- Military Branch
  - Surface Group
    - Rail
      - Light Rail
      - Subway
      - Commuter
        - Wayside
    - Transit
    - School
      - Vans
      - Ambulance
    - Motorcoach
  - Motor Vehicle
    - Paratransit
    - Taxis
  - Air Group
    - Fixed Wing
    - Rotary
  - Marine
    - Ferries
    - Cruise Ship
    - Excursion
Notice V. No Notice Events

- Staged/Progressive Evacuation
- Accounting for Shadow Evacuation
- Challenges of Advance Notice
- Challenges of No-Notice
Internal Agreements

- Board Support
- Liability Coverage
- Staff Commitment
- Personal Preparedness
Interagency Agreements

- ESF-1 Coordination
- Activation/Control of Assets
- Reimbursement/Mutual Aid
Transportation Concerns

- Resource Typing
- Credentialing
- Surge Support
- Extended Service Area
- Pets and Service Animals
- Service Plan for Shelters
- Shelter Plan for Staff
Personal Preparedness

- Situational Awareness
- Shelter Planning
- Food and Water
- Go Kits
- Reunification Plans
- Pets and Dependents
Emerging Risks

• Globalization of Terrorism
• Climate Change
• Pandemic
• Power Cut
Conclusions/Discussion

Positive proof of global warming.

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