

# 6 Hanover Park 2021 MJ-HMP Jurisdictional Annual Report

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**Annual Reporting Year:** 2021

**Background:** Cook County and participating municipalities in the county developed a hazard mitigation plan to reduce risk from all hazards by identifying resources, information, and strategies for risk reduction. The federal Disaster Mitigation Act of 2000 requires state and local governments to develop hazard mitigation plans as a condition for federal disaster grant assistance. To prepare the plan, the participating partners organized resources, assessed risks from natural hazards within the county, developed planning goals and objectives, reviewed mitigation alternatives, and developed an action plan to address probable impacts from natural hazards. By completing this process, these jurisdictions maintained compliance with the Disaster Mitigation Act, achieving eligibility for mitigation grant funding opportunities afforded under the Robert T. Stafford Act.

**Purpose:** The purpose of this report is to provide an annual update on the implementation of the action plan identified in the Cook County Multi-Jurisdictional Hazard Mitigation Plan. The objective is to ensure that there is a continuing and responsive planning process that will keep the Hazard Mitigation Plan dynamic and responsive to the needs and capabilities of the partner jurisdictions. This report discusses the following:

- Natural hazard events that have occurred within the last year
- Changes in risk exposure within the planning area (all of Cook County) Mitigation success stories
- Review of the action plan
- Changes in capabilities that could impact plan implementation
- Recommendations for changes/enhancement.

## Hazard Analysis

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

**Flood:** Flooding has been experienced at Anne Fox School Creek, Barrington/Irving Park Road, Highlands subdivision, and Schick Road.

**Extreme Heat and Cold:** Some of the elderly population, particularly those who are treated at Symphony of Hanover Park, are at risk of extreme-heat and cold related effects.

**Tornado:** Funnel clouds forming over the lake are a concern, especially during a severe weather event.

## Natural Hazard Events in 2021

**Instructions:** Please use the **Edit** Tool to describe new hazard occurrences/incidents from the past year that have impacted your jurisdiction and had a measurable impact on people or property. (Example: A tornado occurred on [Date] and impacted [insert area] and caused damage to [insert damages]). You may also use the Edit Tool to suggest any modifications/improvements to the hazards unique to your community, as described below from the 2019 plan.

Describe 2021 Natural Hazard Events Here: [Type Here]

## Mitigation Strategies and Actions

The heart of the mitigation plan is the mitigation strategy, which serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process.

## New Mitigation Actions

Please submit [here](#)

## Ongoing Mitigation Actions

The following are ongoing actions. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed. Reviewers of this report should refer to the Hazard Mitigation Plan for more detailed descriptions of each action and the prioritization process. Address the following for each mitigation action:

- Was any element of the action carried out during the reporting period?
- If no action was completed, why?
- Is the timeline for implementation or the action still appropriate?
- If the action was completed, does it need to be changed or removed from the action plan?

**TABLE: HAZARD MITIGATION ACTION PLAN MATRIX**

<p style="text-align: center;"><b>Completion status legend:</b>  <b>N</b> = New    <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed    <b>R</b> = Want Removed from Annex    <b>X</b> = No Action Taken</p>								
2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
<b>Action H1.1</b> —Update the Building Code and Building Regulations by adopting the 2012 International Residential Code and the 2012 International Building Code.								
<b>Status Description:</b>								
-	-	Completed	Earthquake, Severe Weather Winter Weather	2, 10, 13	Inspectional Services	Low	General Fund	Completed
<b>Action H1.2</b> —Develop and adopt a Continuity of Operation Plan.								
<b>Status Description: Developing for 2022.</b>								
Ongoing	Ongoing	Ongoing	Earthquake, Flood, Tornado	1, 2, 5, 8	Emergency Management	N/A	N/A	Short-term
<b>Action H1.3</b> —Training for newly hired staff in floodplain management.								
<b>Status Description:</b>								
-	-	Completed	Flood	1, 9, 13	Public Works	Low	General Fund	Completed
<b>Action H1.4</b> —Adoption of a new landscaping ordinance that would encourage appropriate planting near overhead power, cable, and phone lines.								
<b>Status Description:</b>								
-	-	Completed	Severe Weather	3, 4, 13	Community Development	Low	General Fund	Completed
<b>Action H1.5</b> —Develop public education program on tornado warning protocol and sheltering facilities.								
<b>Status Description: Implemented through public events, social media outreach and village website.</b>								
Completed	Ongoing	Ongoing	Tornado	1, 6	Emergency Management	Low	General Fund	Completed
<b>Action H1.6</b> —Update the 2022 Emergency Operations Plan.								
<b>Status Description: Ongoing</b>								
Ongoing	Ongoing	Ongoing	All	1, 5, 8	Emergency Management	N/A	N/A	Completed
<b>Action H1.7</b> —Adopt a pre-event recovery ordinance.								
<b>Status Description:</b>								
Ongoing	Ongoing	Ongoing	All	1, 4, 5, 8	Emergency Management	N/A	N/A	Long-term
<b>Action H1.8</b> —Update the Emergency Operation Center.								
<b>Status Description: Ongoing upgrades in communication and AV capabilities for 2022.</b>								
Ongoing	Ongoing	Ongoing	All	1, 2, 5	Emergency Management	Medium	FEMA or, IEMA Grants	Completed
<b>Action H1.9</b> —Develop and adopt a Unified Development Ordinance for zoning, sign, and subdivisions.								
<b>Status Description:</b>								
-	-	Completed	Flood, Severe Weather	3, 4, 10	Community Development	Low	General Fund	Completed
<b>Action H1.10</b> — Participate in the Community Rating System.								
<b>Status Description:</b>								
-	-	Completed	Flood	1, 2, 3, 11	Public Works	Low	General Funds	Completed
<b>Action H1.11</b> —Establish and continue stream maintenance programs.								
<b>Status Description:</b>								
-	-	Completed	Flood	2, 9	Public Works	Low	General Funds	Completed
<b>Action H1.12</b> —Participate in the National Weather Service's StormReady program.								
<b>Status Description: Renewal of the Storm Ready designation for July 2022</b>								

Ongoing	Ongoing	Ongoing	Flood, Tornado, Severe Weather	1, 5, 6, 11	Emergency Management	Low	General Funds	Completed
<b>Action H1.13</b> —Monitor changing floodplain maps to identify structures now within the boundaries.								
<b>Status Description:</b>								
		Ongoing	Flood	7, 9	Public Works	N/A	N/A	Long-term
<b>Action H1.14</b> —Review and identification of critical facilities to determine if they are located in hazardous locations.								
<b>Status Description: Building a new fire station with severe weather mitigation strategies included into the building plan including hail damage reduction and a tornado safe room.</b>								
Ongoing	Ongoing	Ongoing	Flood, Tornado Earthquake	1, 2, 3, 9	Public Works	N/A	FEMA or, IEMA Grants	Long-term
<b>Action H1.15</b> —Development of flood stage maps.								
<b>Status Description:</b>								
-	-	Removed	Flood	3, 4, 9	Public Works	N/A	N/A	Removed
<b>Action H1.16</b> —Development of a Public Information Strategy covering safety issues, protecting property, understanding floods, and protecting watersheds.								
<b>Status Description: Investing in public information programs to alert the public quickly of impending severe weather and additional hazards.</b>								
New	-	Completed	All	1, 5, 6	Emergency Management	Low	General Fund	Completed
<b>Action H1.17</b> —Distribute and make available property protection references on insurance, emergency preparedness and property protection.								
<b>Status Description: Emergency preparedness tactics by the village will be included into the Emergency Operations Center</b>								
Ongoing	Ongoing	Ongoing	All	5, 6	Emergency Management	Low	FEMA, or IEMA Grants	Short-term
<b>Action H1.18</b> —Construct regional stormwater control facilities.								
<b>Status Description: The village is looking to upgrade stormwater control facilities.</b>								
New	-	Removed	Flooding, Severe Weather	2, 3, 9	Public Works	High	MWRD and FEMA Grants	Long-Term
<b>Action H1.19</b> —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.								
<b>Status Description: Fire Station is being built in an alternate location to reduce expose to potential hazards, i.e. proximity to rail line. Structure will also include hail damage mitigation by investing in specific roof and siding, a tornado safe room that will protect critical life line assets within the Fire Department, and include telecommunication improvements to maintain situational awareness among village leadership.</b>								
New	-	Removed	All	7, 13	Village	High	FEMA Hazard Mitigation Grants	Removed
<b>Action H1.20</b> —Continue to support the countywide actions identified in this plan.								
<b>Status Description:</b>								
Ongoing	Ongoing	Ongoing	All	All	Village	Low	General Fund	Short- and long-term
<b>Action H1.21</b> —Actively participate in the plan maintenance strategy identified in this plan.								
<b>Status Description:</b>								
Ongoing	Ongoing	Ongoing	All	3, 4, 6	DHSEM Village	Low	General Fund	Short-term
<b>Action H1.22</b> —Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.								
<b>Status Description:</b>								
Ongoing	Ongoing	Ongoing	Flooding	4, 6, 9	Public Works	Low	General Fund	Short-term and ongoing
<b>Action H1.23</b> —Where feasible, implement a program to record high water marks following high-water events.								
<b>Status Description:</b>								
		Ongoing	Flooding, Severe Weather	3, 6, 9	Village	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
<b>Action H1.24</b> —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
<b>Status Description:</b>								

Ongoing		Ongoing	All	3, 4, 6, 10, 13	Economic Development	Low	General Fund	Short-term
<b>Action H1.25</b> —Partner with MWRD to provide floodwater relief by increasing capacity of storm sewer.								
<b>Status Description: Improve the current floodwater/stormwater infrastructure in congruence with a regional upgrade.</b>								
New		Ongoing	Flooding, Severe Weather	2, 8, 9	Public Works	High	MWRD and FEMA Grants	Long-term
<b>Action H1.26</b> —Enforce the new MWRD Watershed Management Ordinance (WMO).								
<b>Status Description:</b>								
		Ongoing	Flooding, Severe Weather	2, 3, 4, 9, 10	Public Works	Low	General Fund	Short-term
<b>Action H1.27</b> —Provide storm shelters at the MWRD ball field property during property improvement.								
<b>Status Description:</b>								
-	-	Removed	Tornado	8, 12	Public Works	High	General Funds OSLED Grants	Removed
<b>Action H1.28</b> —Continue to enhance emergency preparedness information available to citizens and visitors through the county/municipality website and community outreach opportunities.								
<b>Status Description: Ongoing through special events, social media and village website.</b>								
Ongoing	Ongoing	New	All	6	Emergency Management	TBD	TBD	TBD
<b>Action H1.29</b> —Develop a multi-faceted public awareness campaign to increase citizen enrollment in the jurisdiction's Emergency Notification System.								
<b>Status Description: In the process of expanding/ investing in this action.</b>								
Ongoing	Ongoing	New	All	6	Emergency Management	TBD	TBD	TBD
<b>Action H1.30</b> —Update the Village of Hanover Park Website with Emergency Information or provide links to the Cook County DHSEM website.								
<b>Status Description:</b>								
Ongoing	Ongoing	New	All	6	Emergency Management	TBD	TBD	TBD
<b>Action H1.31</b> —Ensure that local communities have adequate shelter facilities with properly trained coordinators and/or managers that can address the needs of at-risk populations such as the elderly, the homeless, the disabled and families.								
<b>Status Description: Shelter plan and Alternate Housing Plans were established.</b>								
Completed	Completed	New	Extreme Heat, Extreme Cold	6, 12	Community Services	TBD	TBD	TBD
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.								

**Mitigation Success Stories:** Examples of mitigation success stories include, but are not limited to: received a Grant, completed a major mitigation project, etc.

**Future Needs:** Examples of future needs include, but are not limited to: receiving training to better understand the mitigation grant application process, studies that may be needed to better understand hazards/risks, etc.

The Village of Hanover Park is looking into projects that promote renewable energy/green energy, reduction of power loss with fiber optic options and burying power lines throughout the municipality. Hanover Park Fire Department is also investing in a new station that will include severe weather mitigation improvements that reduce hail damage, power loss, and improve communications. This could also include a Lightning protection system and surge protection system. The village is also looking into improving the current storm water infrastructure and upgrading the quality of our roads. All of these projects are dependent on possible grant funding in order to complete.

## 6.1 Action H1.32

<b>Mitigation Action</b>	To retain excess flood waters until said waters can be diverted back into the environment
<b>Year Initiated</b>	2021
<b>Applicable Jurisdiction</b>	Hanover Park Fire Department
<b>Lead Agency/Organization</b>	Hanover Park Fire Department
<b>Supporting Agencies/Organizations</b>	Hanover Park Fire Department
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> <li>• Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.</li> </ul>
<b>Potential Funding Source</b>	FEMA Grants
<b>Estimated Cost</b>	\$150,000
<b>Benefits (loss avoided)</b>	Reduction in interruption of public safety services - Life Line
<b>Projected Completion Date</b>	2023
<b>Priority and Level of Importance (Low, Medium, High)</b>	High Priority
<b>Benefit Analysis (Low, Medium, High)</b>	High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Cost Analysis (Low, Medium, High)</b>	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
<b>Actual Completion Date</b>	-

### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	Village of Hanover Park will be building a Fire Station that has hazard mitigation planning to include hail mitigation with roof, siding and storm resistant windows. We are also interested in investing in a Lightning Protection system to reduce interference of emergency communications. Hanover Park will also build a tornado safe room that will protect all fire personnel and any public visitors during a severe weather event. Fire departments are inherently a safe house from severe weather shelter from extreme temperatures as well.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

**Mitigated Hazards**

<b>All Hazards</b>	
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
X	Extreme Heat
X	Lightning
X	Hail
	Fog
X	High Wind
X	Snow
X	Blizzard
X	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

## 6.2 Action H1.33

<b>Mitigation Action</b>	Power loss reduction
<b>Year Initiated</b>	2021
<b>Applicable Jurisdiction</b>	Hanover Park Fire Department
<b>Lead Agency/Organization</b>	Hanover Park Fire Department
<b>Supporting Agencies/Organizations</b>	Hanover Park Fire Department
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> <li>• Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.</li> <li>• Develop, promote, and integrate mitigation action plans.</li> </ul>
<b>Potential Funding Source</b>	FEMA Grants
<b>Estimated Cost</b>	\$250,000
<b>Benefits (loss avoided)</b>	Reduction in power loss or interruption due to severe weather events.
<b>Projected Completion Date</b>	2023
<b>Priority and Level of Importance (Low, Medium, High)</b>	High Priority
<b>Benefit Analysis (Low, Medium, High)</b>	High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Cost Analysis (Low, Medium, High)</b>	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
<b>Actual Completion Date</b>	-

### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	The Village of Hanover Park is looking into burying the power lines underground that feed all village critical infrastructure buildings. This will reduce power loss or interruption to all public safety departments and Emergency Operations Center. These power outages tend to occur after significant weather events that include, high winds, hail, blizzards and ice storms. These municipal buildings are Life Line infrastructure that impact public safety, health and security.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

**Mitigated Hazards**

<b>All Hazards</b>	
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
X	Lightning
X	Hail
	Fog
X	High Wind
X	Snow
X	Blizzard
X	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident



## 6.3 Action H1.34

<b>Mitigation Action</b>	Power loss reduction with investing in renewable energy sources
<b>Year Initiated</b>	2021
<b>Applicable Jurisdiction</b>	Hanover Park Fire Department
<b>Lead Agency/Organization</b>	Hanover Park Fire Department
<b>Supporting Agencies/Organizations</b>	Hanover Park Fire Department
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> <li>• Promote public understanding of and support for hazard mitigation.</li> </ul>
<b>Potential Funding Source</b>	FEMA Grant
<b>Estimated Cost</b>	\$80,000
<b>Benefits (loss avoided)</b>	Promote renewable energy by leading by example
<b>Projected Completion Date</b>	2024
<b>Priority and Level of Importance (Low, Medium, High)</b>	High Priority
<b>Benefit Analysis (Low, Medium, High)</b>	High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Cost Analysis (Low, Medium, High)</b>	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
<b>Actual Completion Date</b>	-

### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	The Village of Hanover Park is interested in investing in Green energy or renewable energy sources to supplement the Hanover Park Fire Station. These would include investment in solar panels, introducing vehicle charging stations available to the public at visitor parking, and additional green energy technology to be integrated into this building. These investments will allow our village to lead by example to our residents and other local municipalities, and reduce our carbon footprint dramatically. Solar panels will also reduce the potential loss or interruption of power at a critical infrastructure building (fire station)- critical Life Line, and allow the fire department to sustain emergency operations during a power loss. Upgrading this critical infrastructure to more renewable/green energy technology will help reduce the overall impact of global warming and potentially help reduce significant hazards from climate change. Although this improvement alone will not reduce these hazards, it is a necessary step.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

**Mitigated Hazards**

X	<b>All Hazards</b>
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

## 6.4 Action H1.35

<b>Mitigation Action</b>	Fiber optic connections for communications
<b>Year Initiated</b>	2021
<b>Applicable Jurisdiction</b>	Hanover Park Fire Department
<b>Lead Agency/Organization</b>	Hanover Park Fire Department
<b>Supporting Agencies/Organizations</b>	Hanover Park Fire Department
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> <li>• Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.</li> <li>• Develop, promote, and integrate mitigation action plans.</li> <li>• Promote public understanding of and support for hazard mitigation.</li> </ul>
<b>Potential Funding Source</b>	Grants
<b>Estimated Cost</b>	\$1,00,000
<b>Benefits (loss avoided)</b>	Reduction in communication failure among public safety services
<b>Projected Completion Date</b>	2026
<b>Priority and Level of Importance (Low, Medium, High)</b>	High Priority
<b>Benefit Analysis (Low, Medium, High)</b>	High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Cost Analysis (Low, Medium, High)</b>	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
<b>Actual Completion Date</b>	-

### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	The Village of Hanover Park is looking into investing in fiber optic connections between all municipal buildings to reduce communication losses and strengthen the current infrastructure. This type of cable provides additional protection from significant weather and temperatures that occur within our jurisdiction. Fiber optic connections improve and sustain long distance communications between all public safety- Life Line critical infrastructure and high-speed data connections among all municipal buildings. This is essential to maintain public safety services during significant weather hazards.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

**Mitigated Hazards**

X	<b>All Hazards</b>
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident