

Natural Hazards:

Avalanche
Drought
Earthquake
Flood
Coastal Storm
Hurricane
Ice Jam
Ice Storm
Infestation
Landslide
Severe Storm
Severe Thunderstorm
Tornado
Wildfire
Severe Winter Storm
Extreme Temperatures

Technological Hazards:

Air Contamination
Civil Unrest
Dam Failure
Epidemic
Explosion
Fire
Food Shortage
Fuel Shortage
Haz Mat – Fixed Site
Haz Mat – In Transit
Radiological – Fixed Site
Radiological – In Transit
Oil Spill
Structural Collapse
Terrorism
Transportation Accident
Utility Failure
Water Supply Contamination

Hazard Mitigation Strategies:

Public Education

- Hyper-Reach System or other contact system for emergencies and hazard events
- Publicize Response Protocol/Emergency and Disaster
~ Who Responds, response time, routes, etc.
- Fire Prevention Programs
- Educational program on current building and zoning codes and code enforcement

Response Procedures

- Municipal Officials/Boards and/or Emergency Responders Training
- NY Alert
- Emergency Shelter Usage Training
- Training related to project reviews and code options
- Hazard Response Training
- Local Tug Hill Commission Training Event
- Response Plan implementation and timely review procedures

Regulations

- Complete Land Use Plans
- Implement Flood Plain Building Codes
- Institute lakeshore/river building set-backs (future construction)
- Review Town and Village building and zoning codes
- Change in building codes to promote sprinkler installation in new or renovate housing projects

Land Acquisition

- Purchase homes or properties that are regularly impacted by flooding

Emergency Response

- Shelter Locations:
 - ~ Establish and Publicize
 - ~ Obtain Generators and Equipment/Supplies
 - ~ Determine Volunteering Procedures
- Add more emergency response trailers
- Establish emergency evacuation signage (81 corridor communities)

Equipment Needs

- Generators for Municipal Buildings and Critical Facilities
- Automatic Message Boards for High Traffic Roadways (I-81)
- DPW Equipment to handle large snow events and other types of weather
- Determine if security measures at OCWA facilities, and municipally run water and sewer facilities are adequate (fencing, cameras, lighting, alarms, etc.)

Partnerships/Agreements

- Establish Inter-Municipal Awareness and Participation
 - ~ Equipment sharing and transportation
- Cooperation with ATV/Snowmobile clubs to aid in emergencies
- Work with railroad companies to replace/rehab railroad tracks when needed
- Multi-County Cooperation when State of Emergency is declared
- Establish agreement with residences along private roadways to institute a temporary time frame in which DPW can access private roadways after disasters, where appropriate (plow, tree removal, etc.)
- Remove debris jams that occur in rivers and reservoirs – builds up underneath bridges (could create access problems)
- Review roadway design standards with NYSDOT in regards to snow drifting on roads (Route 104)

Environmental

- Compile and advertise appropriate tree planting species and guidelines
- Continue spraying for mosquitoes (Dept. of Health)

Utilities

- Extend public water systems to residents with wells
- Add cell towers in Northern jurisdictions to improve communications systems
- Preventive Tree Removal Program (prior to impacts to utility lines)

Specific Projects

- Reinforcement of the Lake Ontario break wall in Oswego
- Maintenance of the Lighthouse there
- Establish a "Road Watch" program during severe storm events
- Conduct a comprehensive engineering assessment of the dam in Hannibal