

# Skaneateles Long-Term Flood Resiliency for Communities: A Watershed Management Approach

## DEPARTMENT OF EMERGENCY MANAGEMENT

JOANNE M. MAHONEY, COUNTY EXECUTIVE

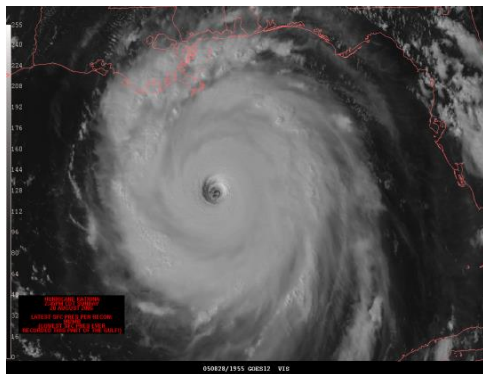
DANIEL H. WEARS, COMMISSIONER

JOSEPH RINEFIERD, DIRECTOR of FIRE



The managerial function charged with creating the framework within which communities reduce vulnerability to hazards and cope with disasters.





*“All Hazards Mitigation & Prevention, Preparedness, Response and Recovery”*



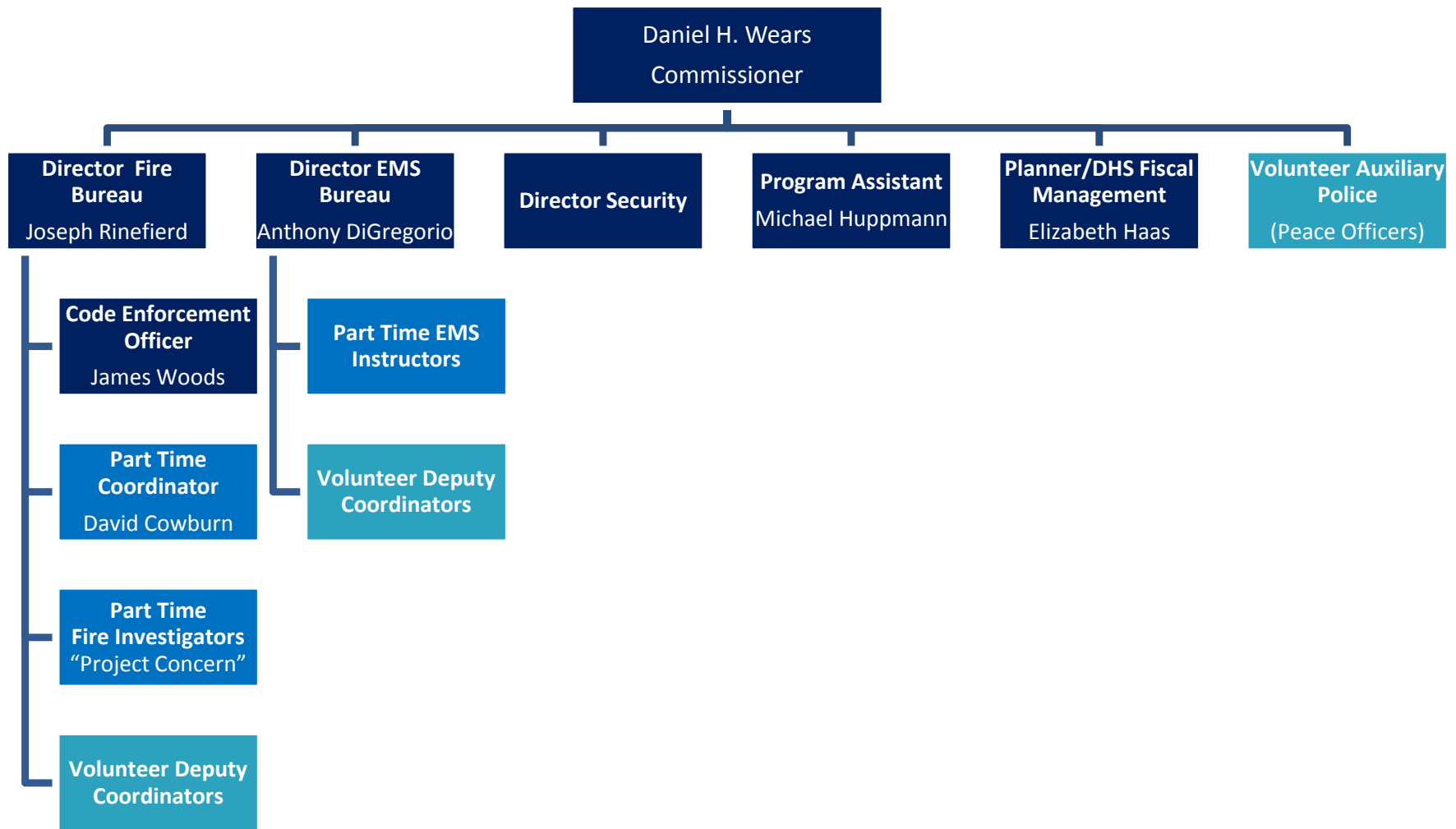
# Emergency Management

Our mission is to ensure life safety and preservation of property through a cycle of emergency planning and preparedness, along with multi-agency coordinated response and recovery.

The Department of Emergency Management provides comprehensive, coordinated response and recovery for our Citizens and Community by providing training and coordination of County-wide fire and emergency medical services, and by partnering with government agencies, community and volunteer organizations. Additionally, the Department of Emergency Management develops and coordinates procedures for the continuity of government and its functions during emergencies and disasters.



# Organizational Structure





## Emergency Management Administration

- Emergency Management Plan Development
- Emergency Operations Center
- Critical Infrastructure Protection
- Citizen Preparedness
- Resource Deployment Coordination
- Disaster Declaration
- Exercise Development and Participation
- Town and Village Coordination



## Fire Bureau

- Liaison with Volunteer, Combination and Career Fire Departments
- Command and Control Support at Emergency Incidents
- Fire Training Coordination
- Code Enforcement
- Fire Investigations and Arson Control Plan
- Hazardous Materials Response Team



## EMS Bureau

- Liaison with Volunteer, Combination and Career EMS Agencies
- Command and Control Support at Emergency Incidents
- Critical Incident Stress Management
- EMS Training Coordination

## Security Bureau

- Employee and Public Safety
- Access Controls
- Surveillance Systems and Intrusion Alarms
- Probation and Social Services Support



## Government Organizations

- Nearly 100 Public Safety Organizations
  - Fire Departments
  - EMS Agencies
  - Police Departments
  - Private Sector (Syracuse Univ., Upstate, etc.)
- Onondaga County Departments
  - County Executive's Office
  - Health Department
  - Medical Examiner
  - Comptroller
  - Parks
  - Social Services
  - Water Environment Protection
  - Department of Transportation
  - 911
  - Onondaga County Sheriff's Office
  - Syracuse-Onondaga County Planning
- City of Syracuse
  - Mayor's Office
  - Department of Transportation
- 19 Towns
- 15 Villages
- New York State Agencies
  - DHSES
  - NYS Troopers
  - DOT
  - NYS EMS
  - Thruway Authority



## Private Sector Organizations and NFP's

- National Grid
- Wegman's
- Salvation Army
- Food Bank of CNY
- ARISE
- Access CNY
- American Red Cross of CNY

## Other Organizations

- Upstate University Hospital
- Crouse Hospital
- St. Joseph's Hospital
- School Districts and BOCES
- Syracuse University
- Onondaga Community College
- Onondaga County Water Authority
- Bristol Meyers Squib
- CENTRO
- Planning Committees





# FLOODING



# National Weather Service Terminology

## Flash Flood

A flood which is caused by heavy or excessive rainfall in a short period of time, generally less than 6 hours. Also, at times a dam failure can cause a flash flood, depending on the type of dam and time period during which the break occurs.

## Flash Flood **Warning**

Issued to inform the public, emergency management, and other cooperating agencies that flash flooding is in progress, imminent, or highly likely.

## Flash Flood **Watch**

Issued to indicate current or developing hydrologic conditions that are favorable for flash flooding in and close to the watch area, but the occurrence is neither certain or imminent.

## Flash Flood **Statement**

A statement by the NWS which provides follow-up information on flash flood watches and warnings.

## Urban and Small Stream Flooding

Flooding of small streams, streets, and low-lying areas, such as railroad underpasses and urban storm drains. This type of flooding is mainly an inconvenience and is generally not life threatening nor is it significantly damaging to property.

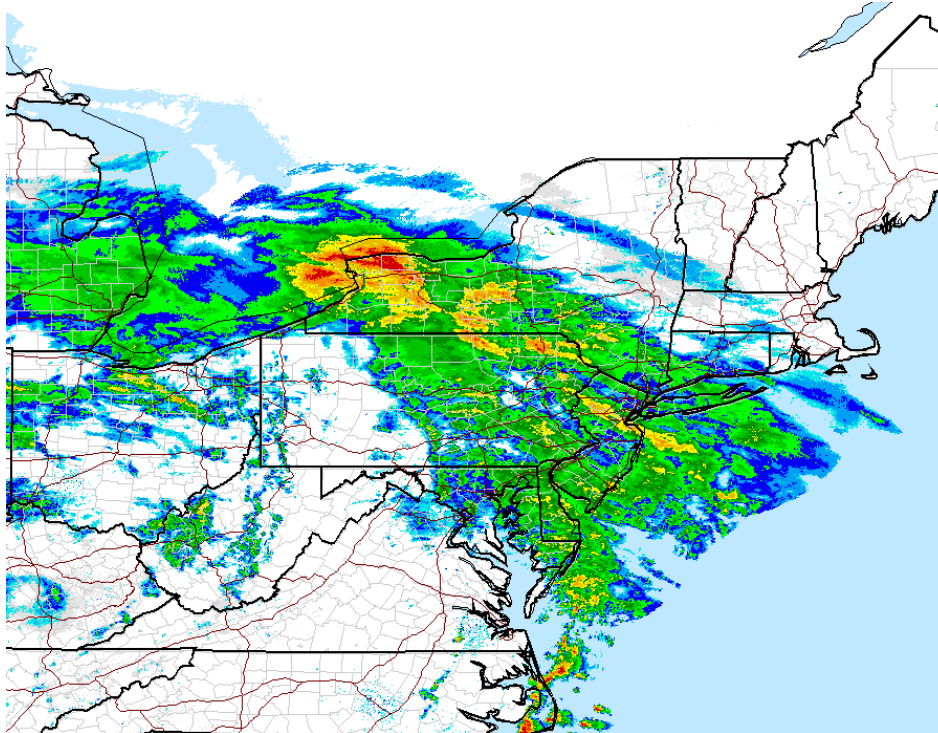
## Urban and Small Stream Flood **Advisory**

This advisory alerts the public to flooding which is generally only an inconvenience (not life-threatening) to those living in the affected area. Issued when heavy rain will cause flooding of streets and low-lying places in urban areas. Also used if small rural or urban streams are expected to reach or exceed bankfull. Some damage to homes or roads could occur.



## Preparedness and Prevention

- Coordinate with the NWS Binghamton Office
- Work with the NYS Canal Corporation, surrounding counties and the Onondaga County Sheriff's Office to limit boat traffic on impacted waterways
- Personally monitor water levels at known problem areas
- Initiate initial event monitoring and response efforts



## Response

- Activation of Emergency Management
- Sandbags provided to municipalities
- Coordinate with the local DPW and DOT for situational assessments and event briefings
- Coordinate with local emergency services for needed support and situational awareness
- Coordinate with NYS DHSES
- Coordinate with county agencies for dewatering equipment
- Disaster Declaration and Emergency Orders (NYS Executive Law Article 2B)
- Coordinate with the American Red Cross for shelter accommodations, as necessary
- Work with our COAD for other human needs resources





## Mutual Aid Requests

- Request of resources to support other entities
- Requesting resources to support our county
- Aurelius Gas Leak
  - Fire equipment, CP Support
- Broome County Flooding
  - EOC Support
- Buffalo Snow Storm
  - Fire and DOT Resources





# EMERGENCY OPERATIONS CENTER



## What is an EOC

*“An EOC is a specific incident facility established to coordinate response to major emergency incidents or events.”*



## The Purpose of the EOC

The EOC's purpose is to coordinate incident information and resources for a jurisdiction's management.

- The EOC must receive, analyze and display information about the incident to enable Executive decision-making.
  - The EOC must find, prioritize, deploy and track critical resources.
  - The EOC must enhance decision making, communication, cooperation and coordination.
- 
- Coordination (Inter-agency)
    - Necessary for an effective and efficient response
    - As a whole can accomplish more than as individuals
    - Use of agency resources outside the normal scope of business



## Responsibilities of an EOC

- Information Collection, Evaluation and Display
    - EOC is a clearinghouse
    - Knowledge Management is key to coordinating resources and making policy decisions
    - All in the EOC need access to this information
  - Establishment of Priorities
    - Critical when resources are limited
    - Accomplish the most good with available resources
    - Fundamental priorities
      - Life Safety
      - Incident Stabilization
      - Property Conservation
  - Resource Management
    - Not possible without ongoing accomplishment of other responsibilities
    - Essential to the success of incident management
- Avoiding duplication of resource orders



## Recovery and Mitigation

- Recovery

- Local and Federal Disaster Declaration
- Preliminary Damage Assessments
- CEDAR Program
- Public Assistance
- Individual Assistance
- Small Business Administration Loans
- Insurance First



- Mitigation

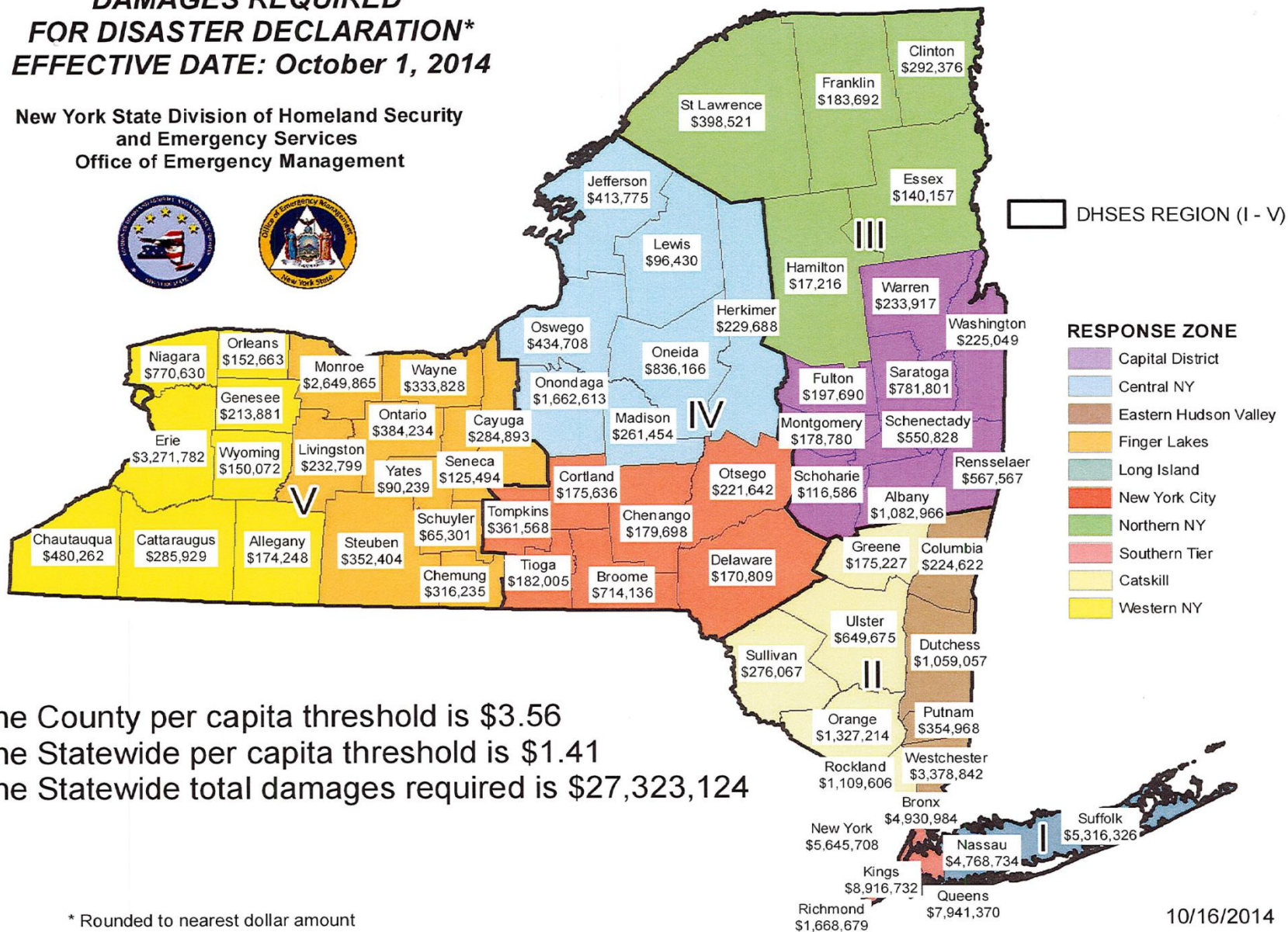
- Hazard Mitigation Plan- Syracuse-Onondaga County Planning Agency
- Hazard Mitigation Grant Program (Pre-Disaster and Post-Disaster)
- Code Enforcement
- Site Plans and Erosion Control Plans





# DAMAGES REQUIRED FOR DISASTER DECLARATION\* EFFECTIVE DATE: October 1, 2014

New York State Division of Homeland Security  
and Emergency Services  
Office of Emergency Management



The County per capita threshold is \$3.56  
The Statewide per capita threshold is \$1.41  
The Statewide total damages required is \$27,323,124

\* Rounded to nearest dollar amount

10/16/2014

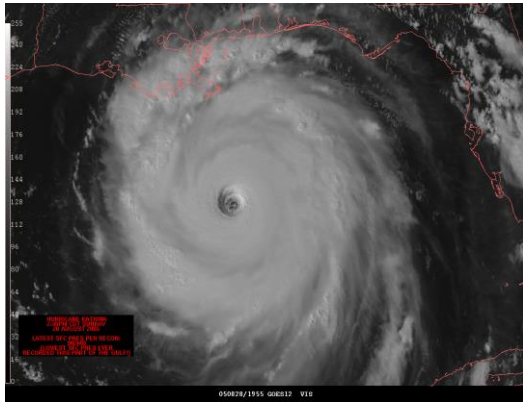


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**QUESTIONS?**

