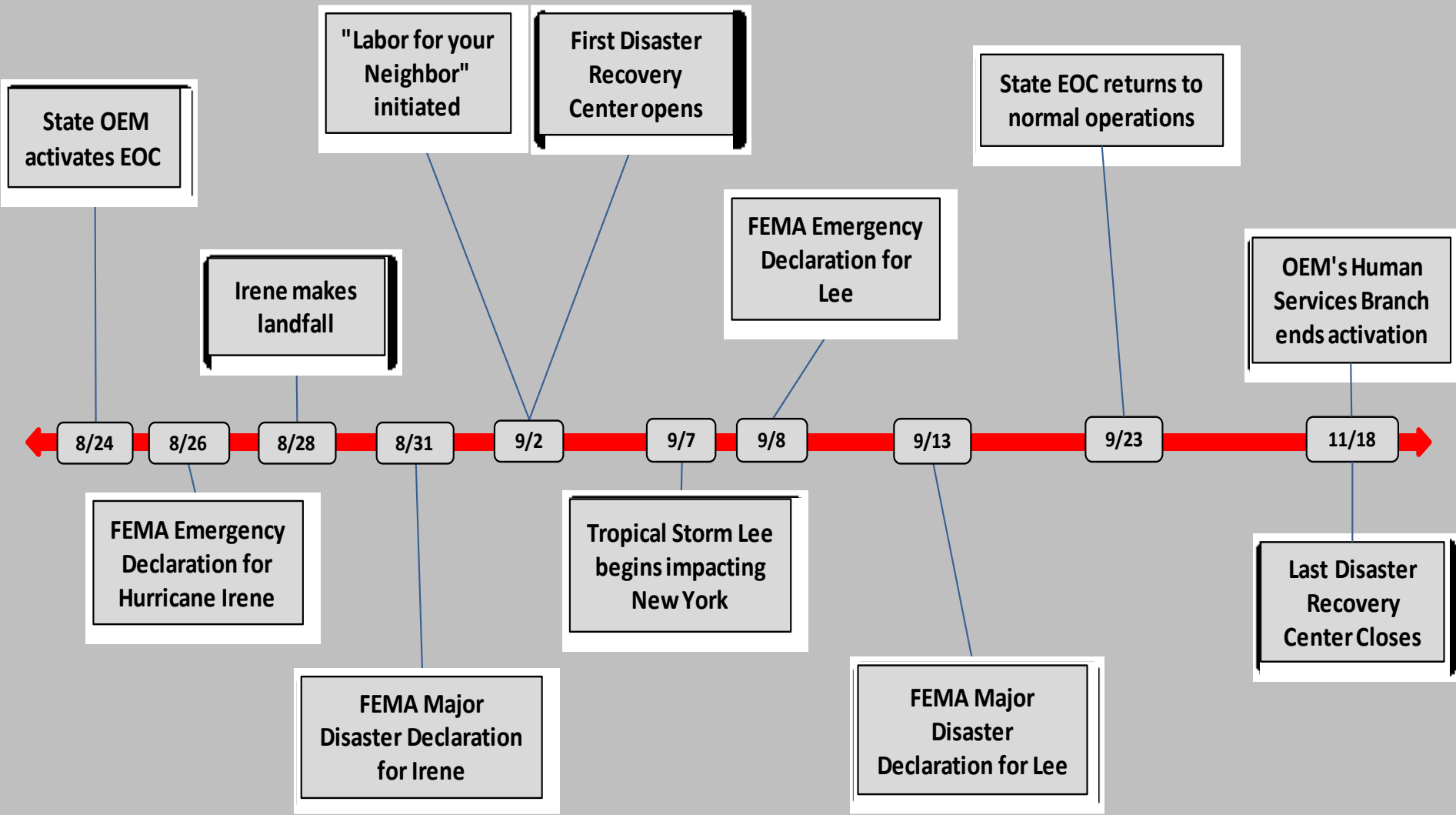


An aerial photograph showing a large, rectangular building with a dark roof and white walls, surrounded by extensive flooding. The water is a muddy, brownish color, and the surrounding area is mostly submerged. In the background, there are trees and some structures, indicating a residential or commercial area. The text "HURRICANE IRENE/TROPICAL STORM LEE" is overlaid in large, bold, black letters with a white outline.

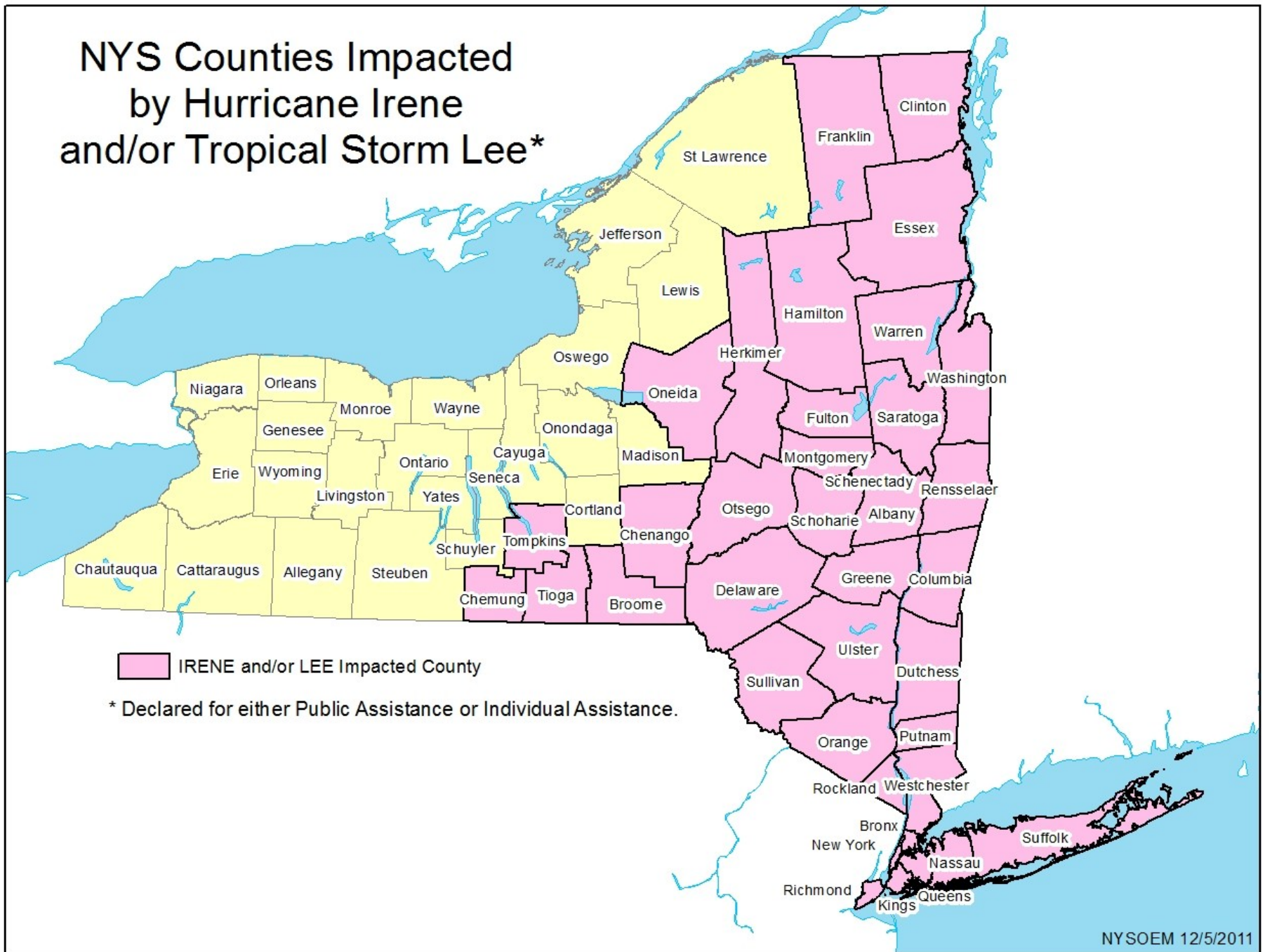
***HURRICANE IRENE/TROPICAL
STORM LEE***

OVERVIEW

MAJOR EVENTS TIMELINE FOR IRENE & LEE (AUGUST-NOVEMBER 2011)



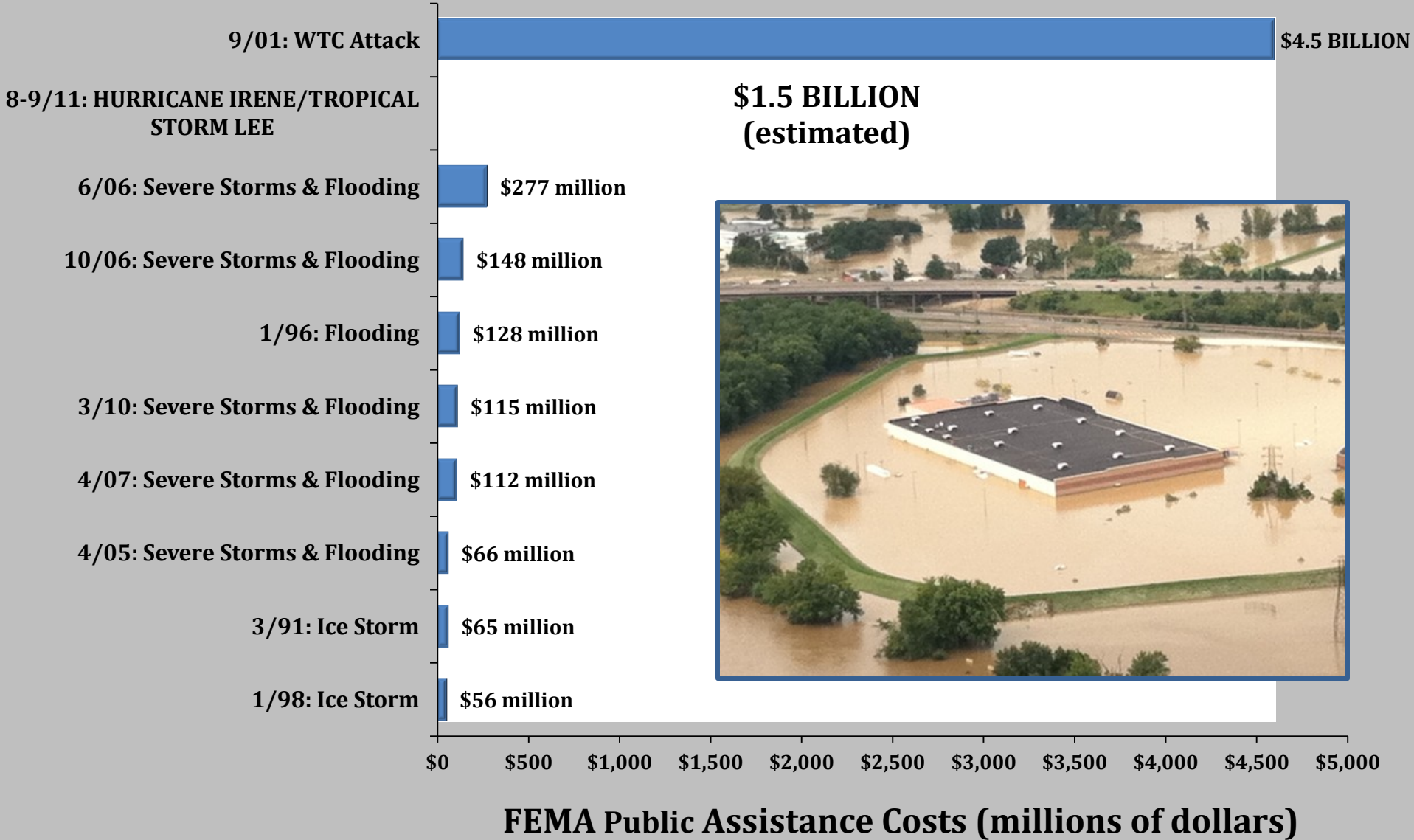
NYS Counties Impacted by Hurricane Irene and/or Tropical Storm Lee*



IRENE and/or LEE Impacted County

* Declared for either Public Assistance or Individual Assistance.

NYS COSTLIEST DISASTERS TO DATE





OEM

OFFICE OF EMERGENCY MANAGEMENT

STATE EOC REPRESENTATION FOR IRENE/LEE:

40 AGENCIES 300+ STAFF



EMERGENCY SHELTERS

HURRICANE IRENE/TROPICAL STORM LEE

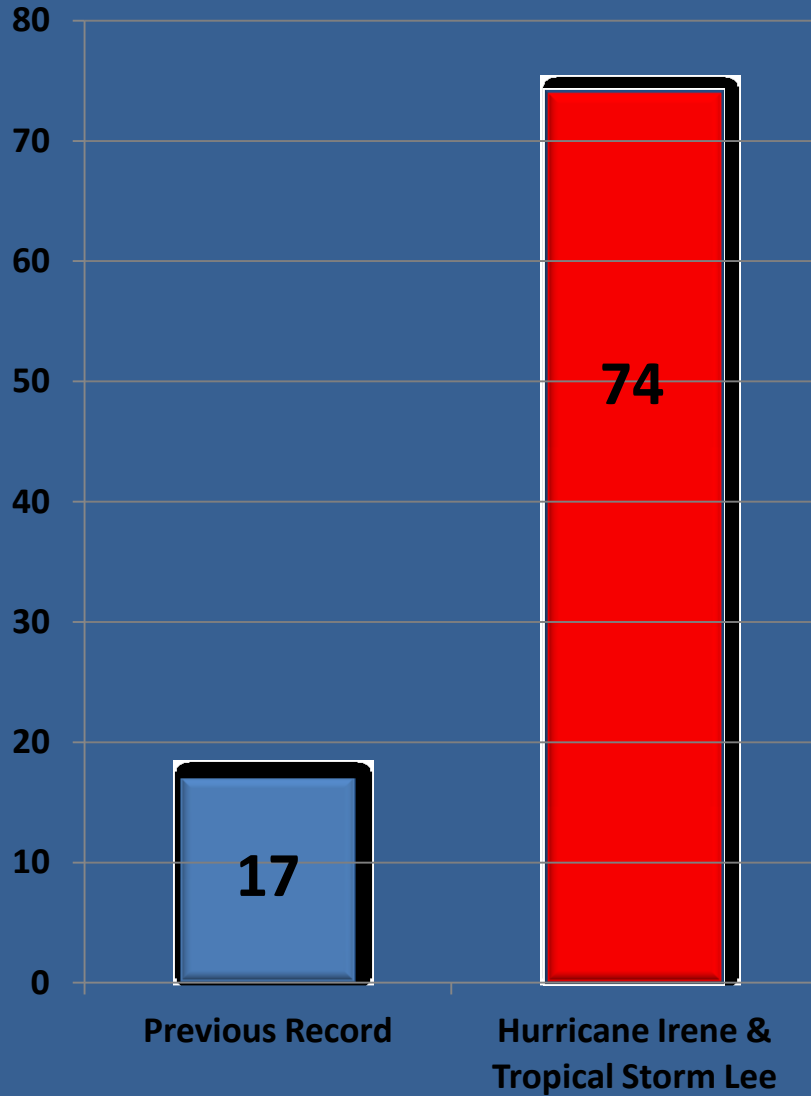
198 Emergency Shelters opened and supported.

18,518 individuals and families sheltered.



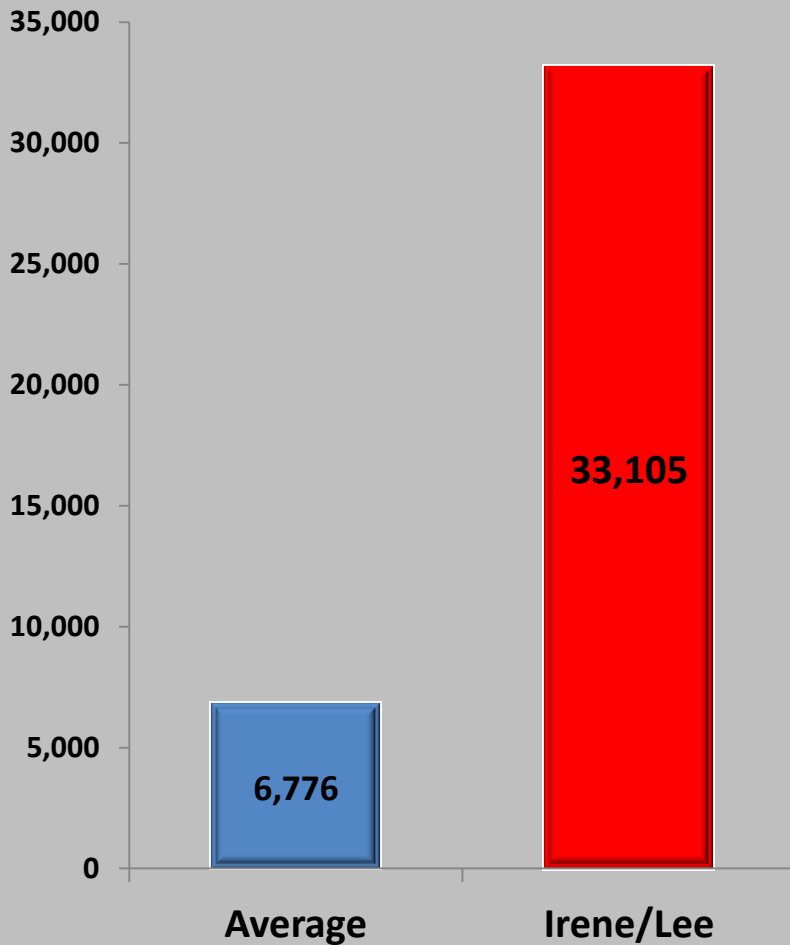
THE TWO DISASTERS ACCOUNTED FOR 9 TOTAL FATALITIES IN NEW YORK STATE.

of Disaster Recovery Centers

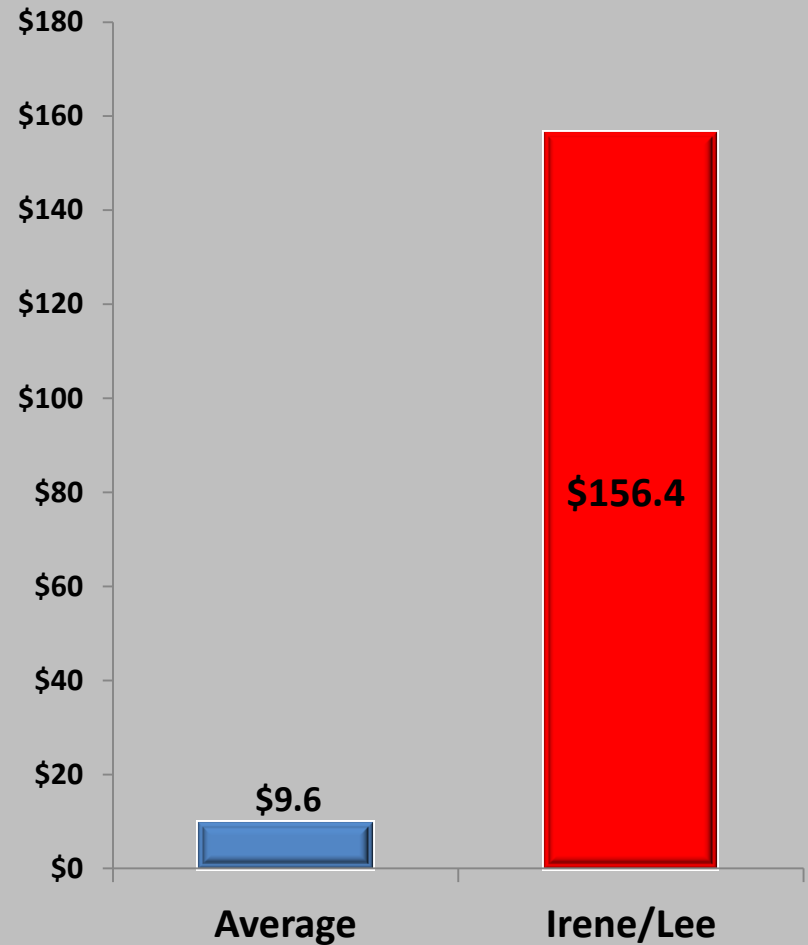


INDIVIDUAL ASSISTANCE (HUMAN SERVICES) COMPARISONS

Total Registrants

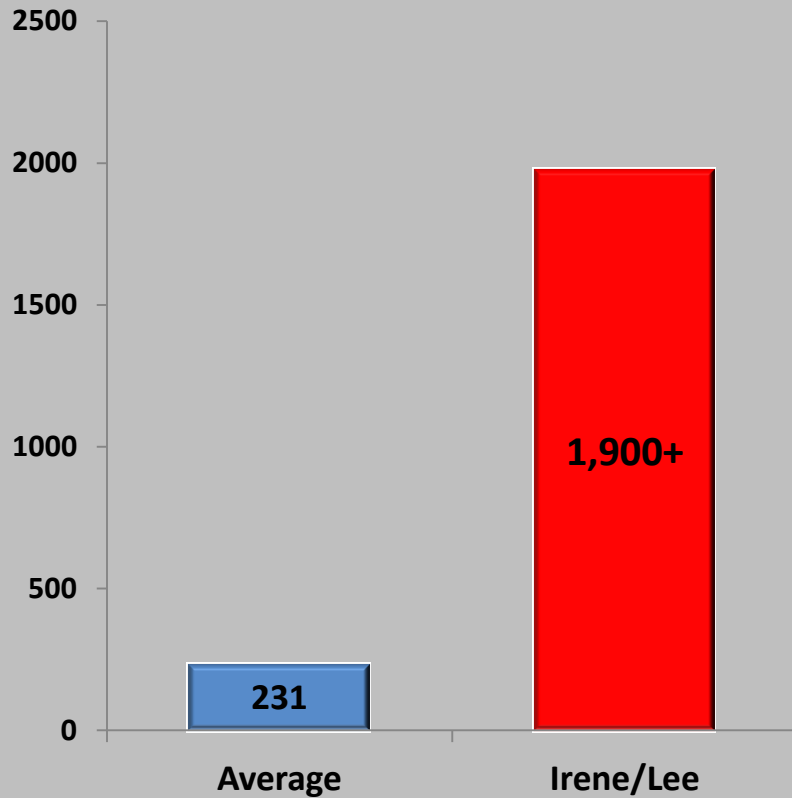


IA Awards (millions)

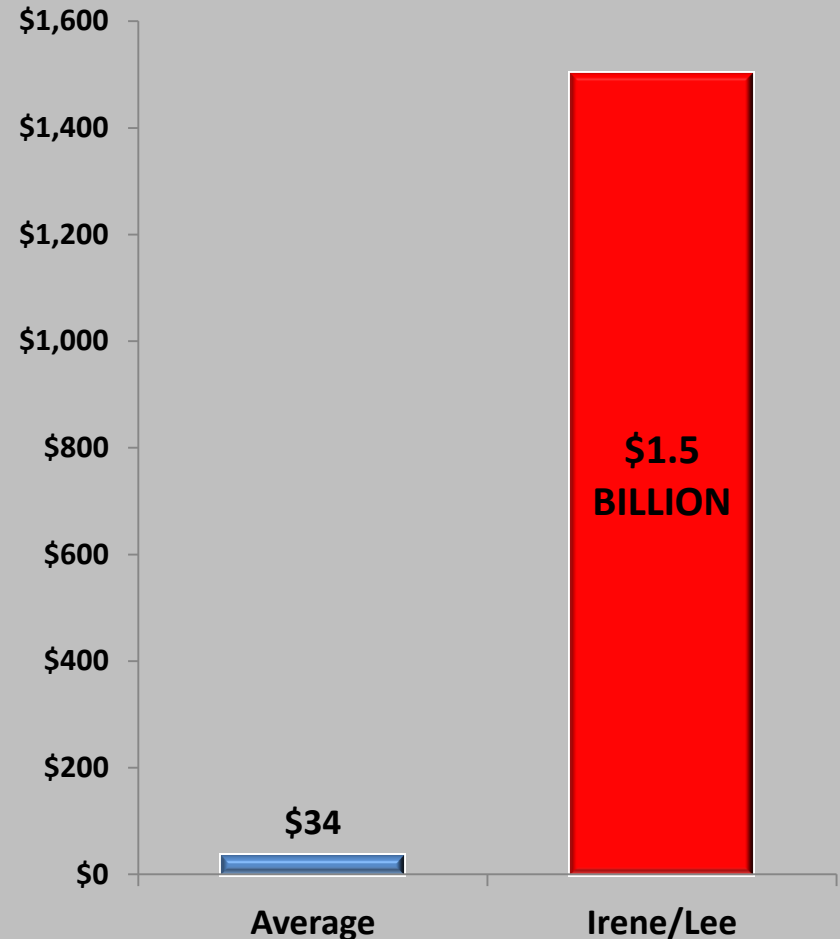


PUBLIC ASSISTANCE (INFRASTRUCTURE) COMPARISONS

PA Applicants

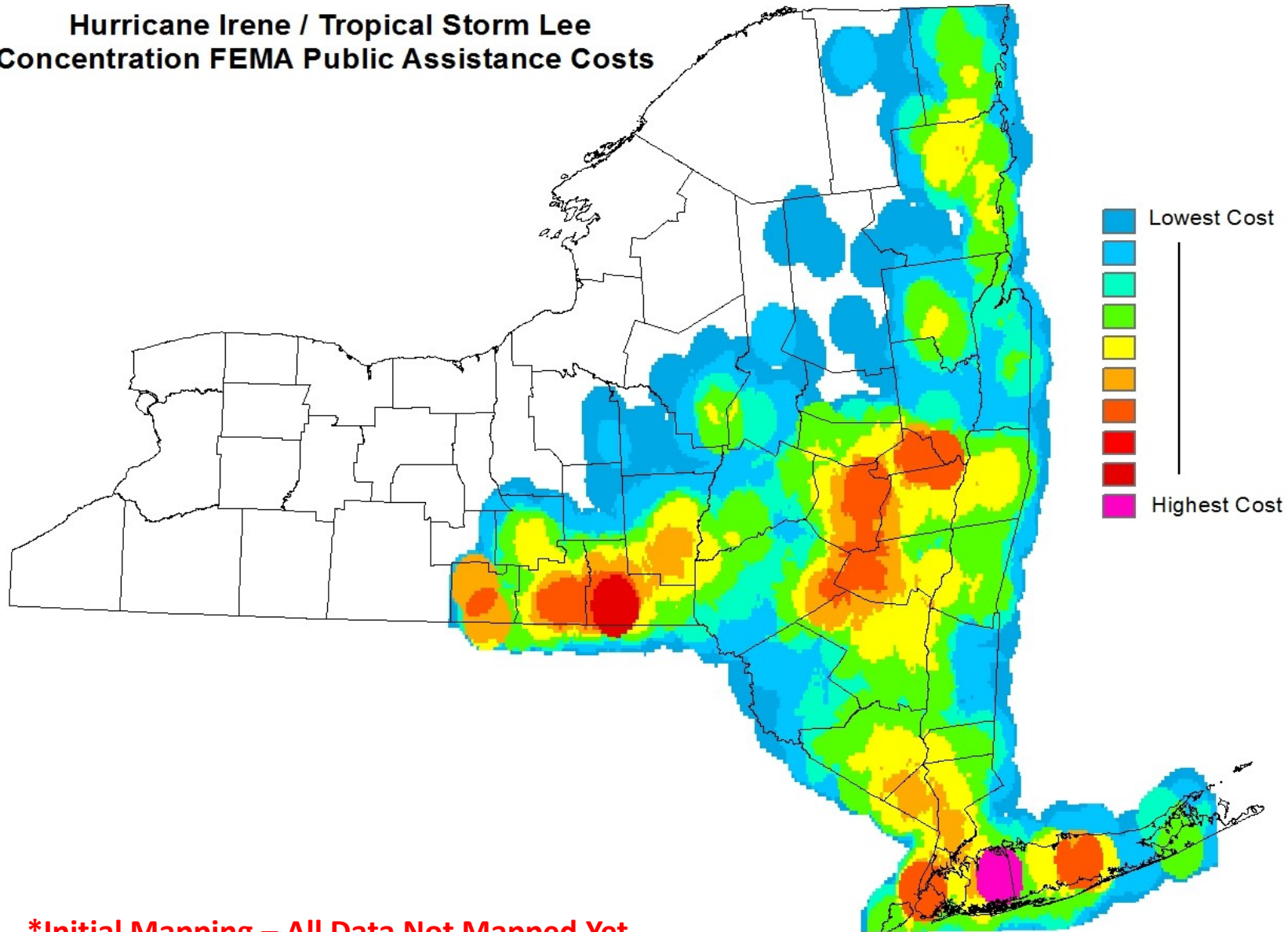


PA Awards (millions) ^{*Estimates}



- An estimated **13,000+** PA Project Worksheets will be submitted.

Hurricane Irene / Tropical Storm Lee Concentration FEMA Public Assistance Costs



***Initial Mapping – All Data Not Mapped Yet**

April 2012



Common Operational Picture (BETA)

Welcome, ObrienD

Incident: Hurricane Irene

Current Tool: PAN

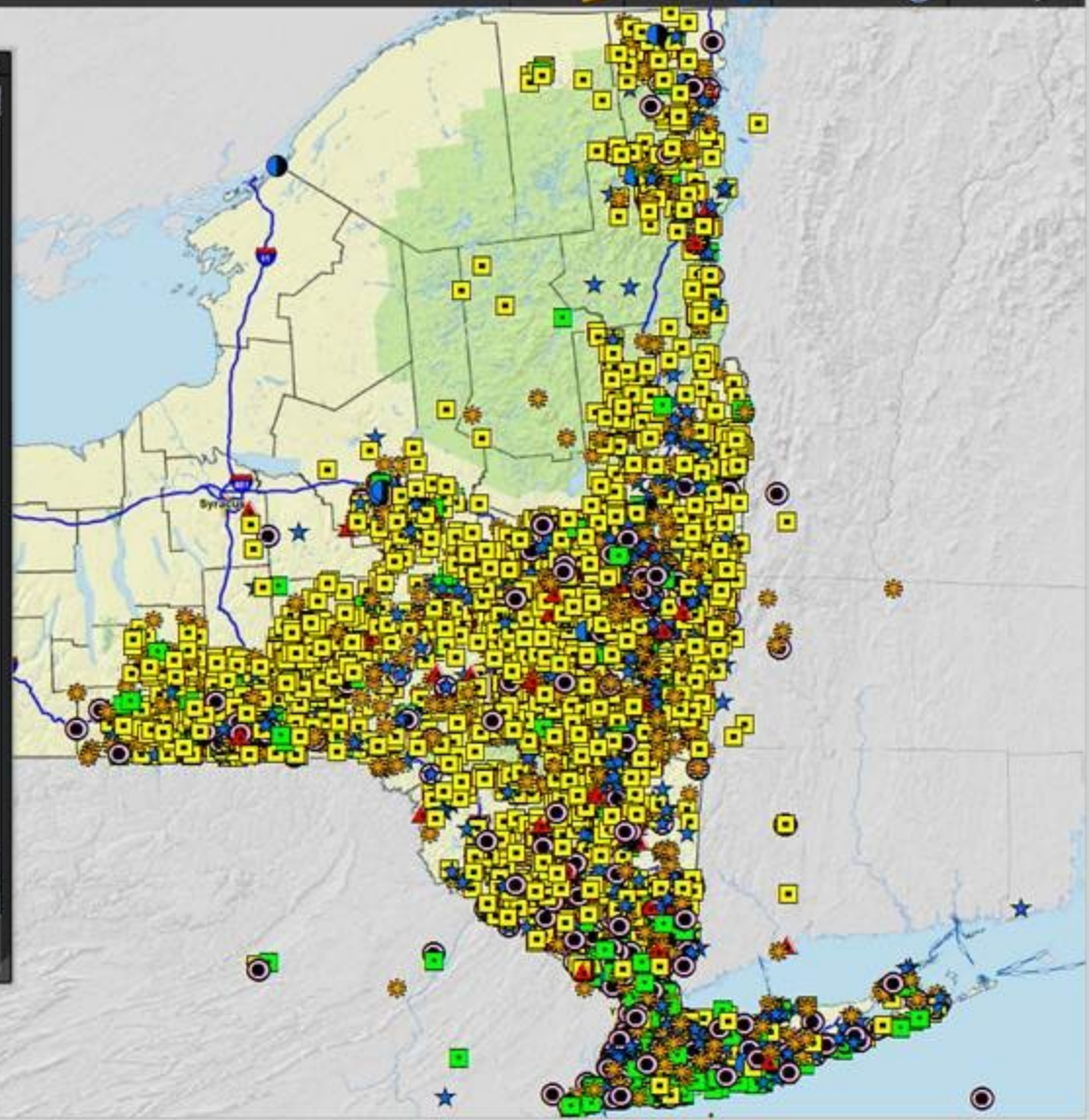
File Options Navigation Tools

Layers

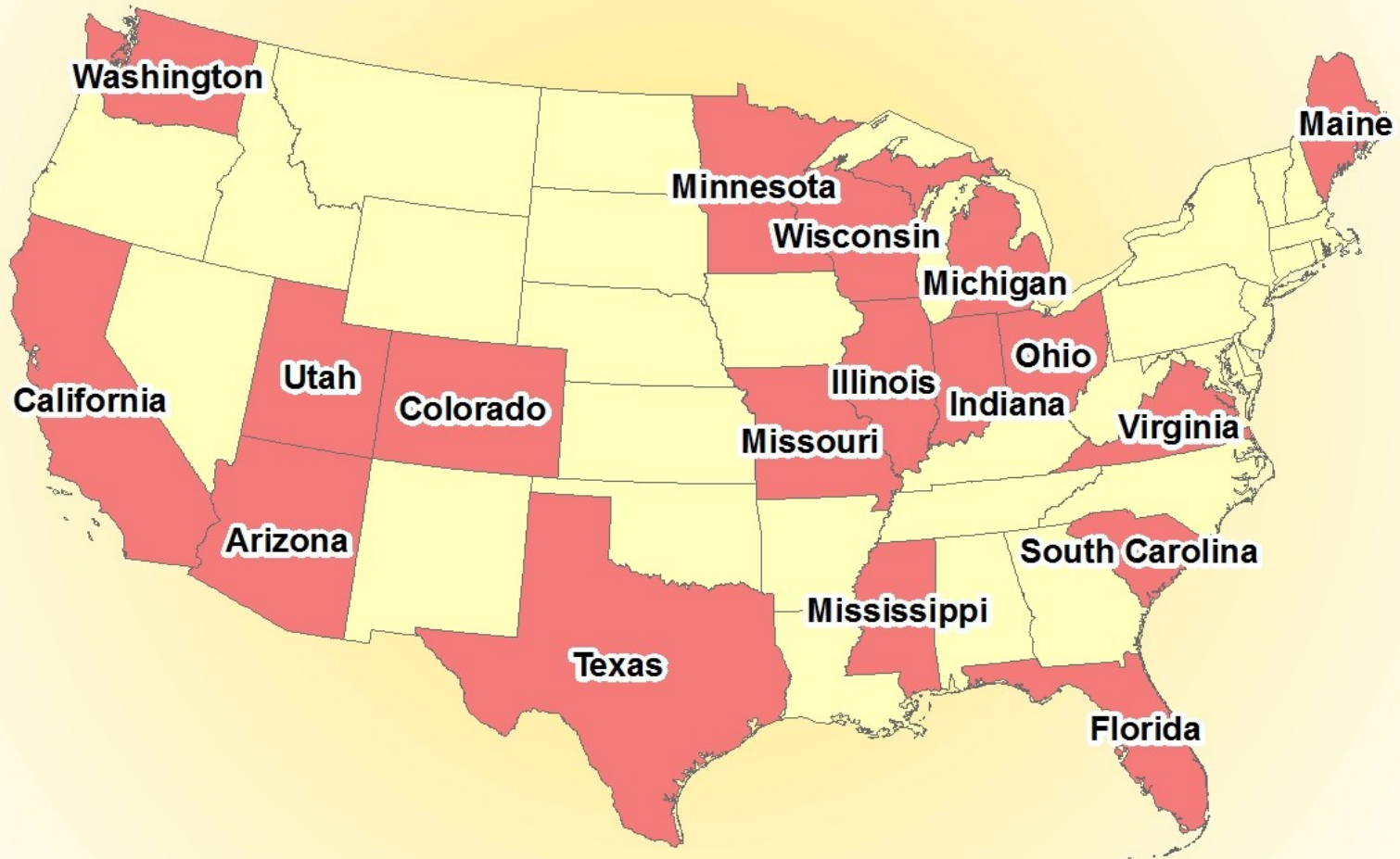
Expand layer for full legend

- Project Worksheets DR-4020
 - PA-4020_April2012
 - A - Debris Removal
 - B - Protective Measures
 - C - Roads & Bridges
 - D - Water Control Facilities
 - F - Public Utilities
 - G - Recreational or Other
 - E - Public Buildings
- Project Worksheets DR-4031
 - PA-4031_April2012
 - A - Debris Removal
 - B - Protective Measures
 - C - Roads & Bridges
 - D - Water Control Facilities
 - F - Public Utilities
 - G - Recreational or Other
 - E - Public Buildings

Base Map: SOEM Basemaps
Copyright Buffalo Computer Graphics Inc.



EMAC STATES PROVIDING PERSONNEL



17 States Supported NYS

IRENE/LEE IMPACTS

Power Outages: nearly **1,100,000+** (peak)

Evacuation Orders: **390,000+**

Major Road Closures: **260+**

Telecommunications Outages: **900,000+**



Hurricane Irene

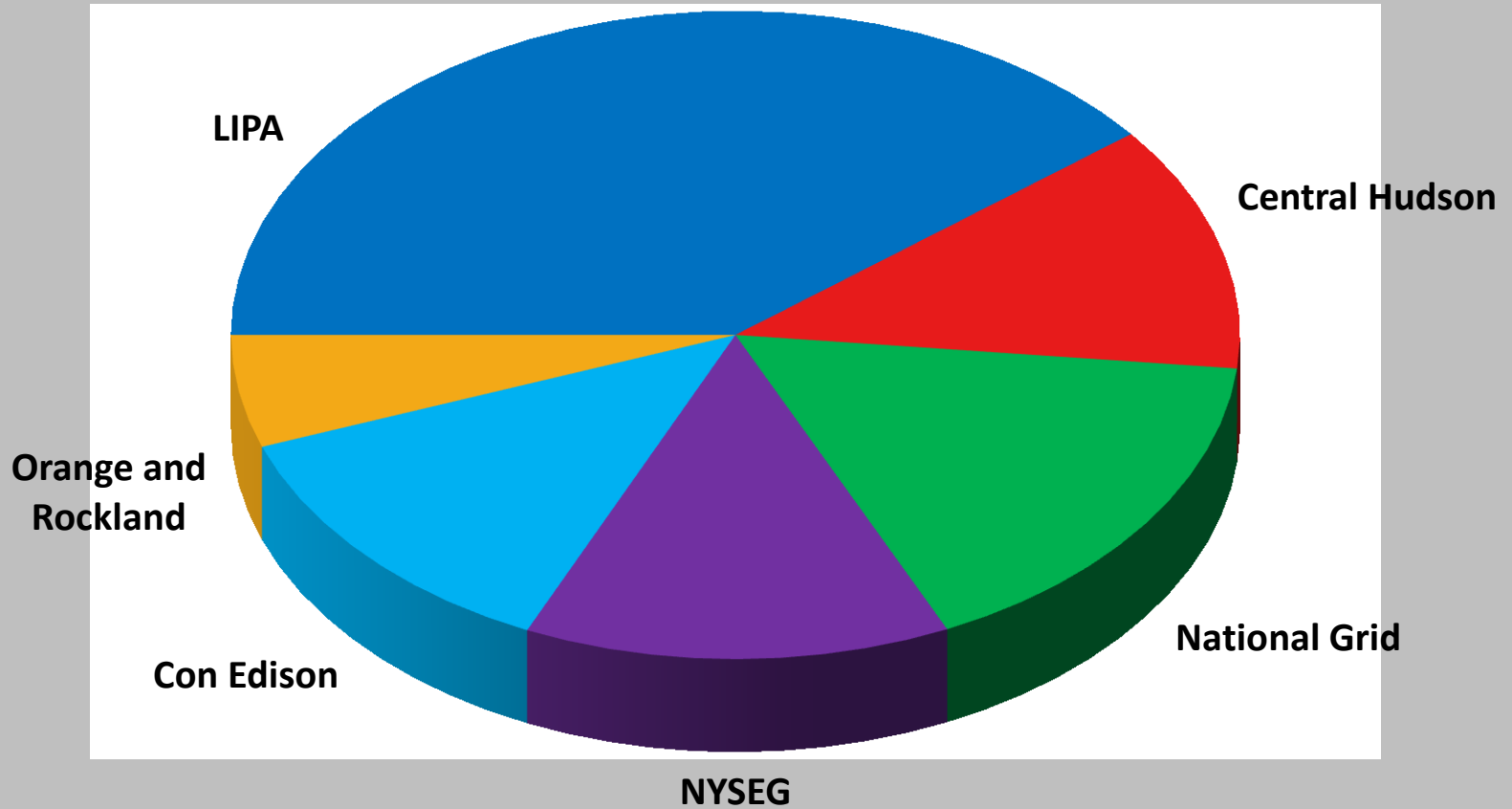
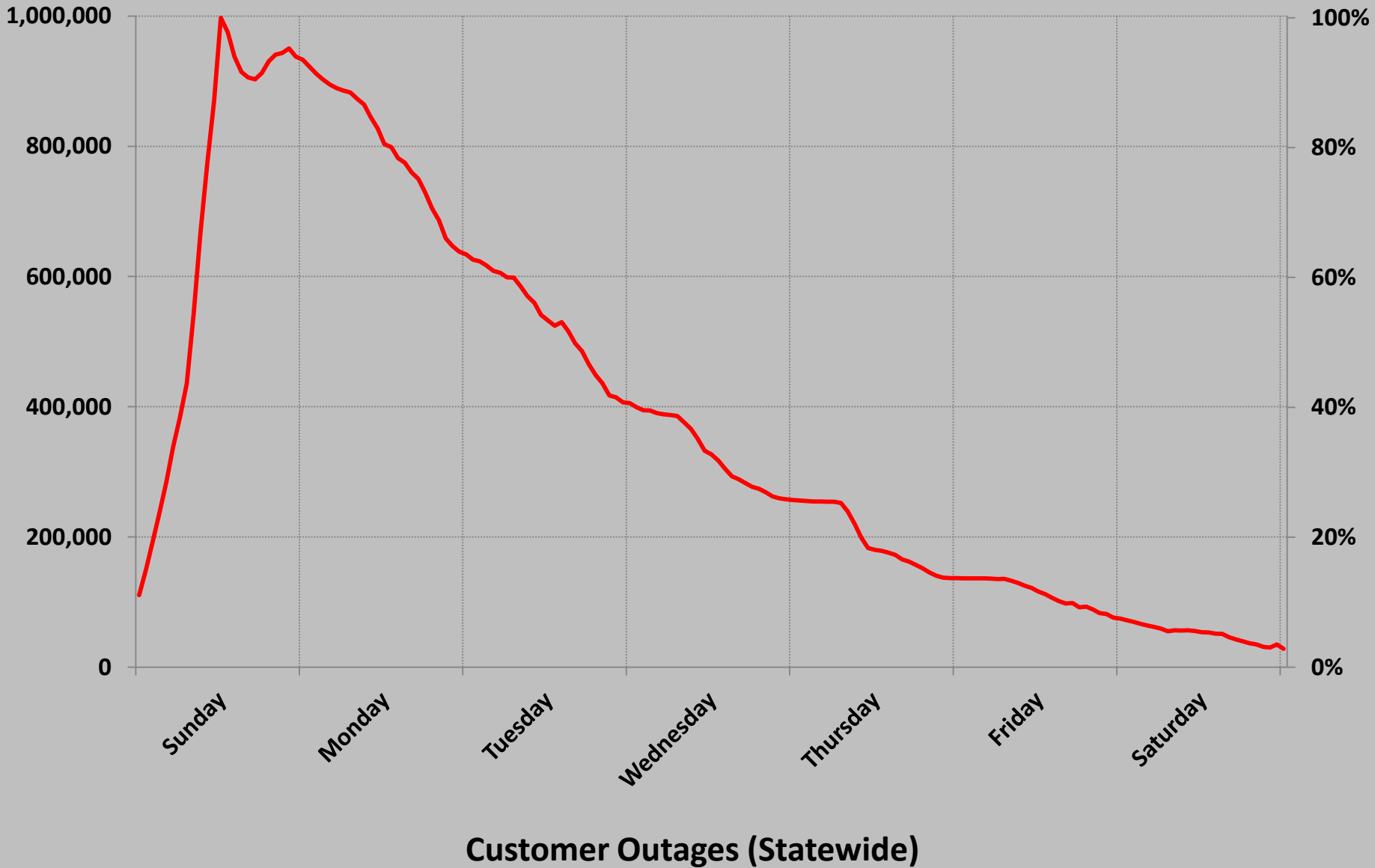


Figure 2: Outage Distribution as of 10:00 p.m., August 28

Hurricane Irene



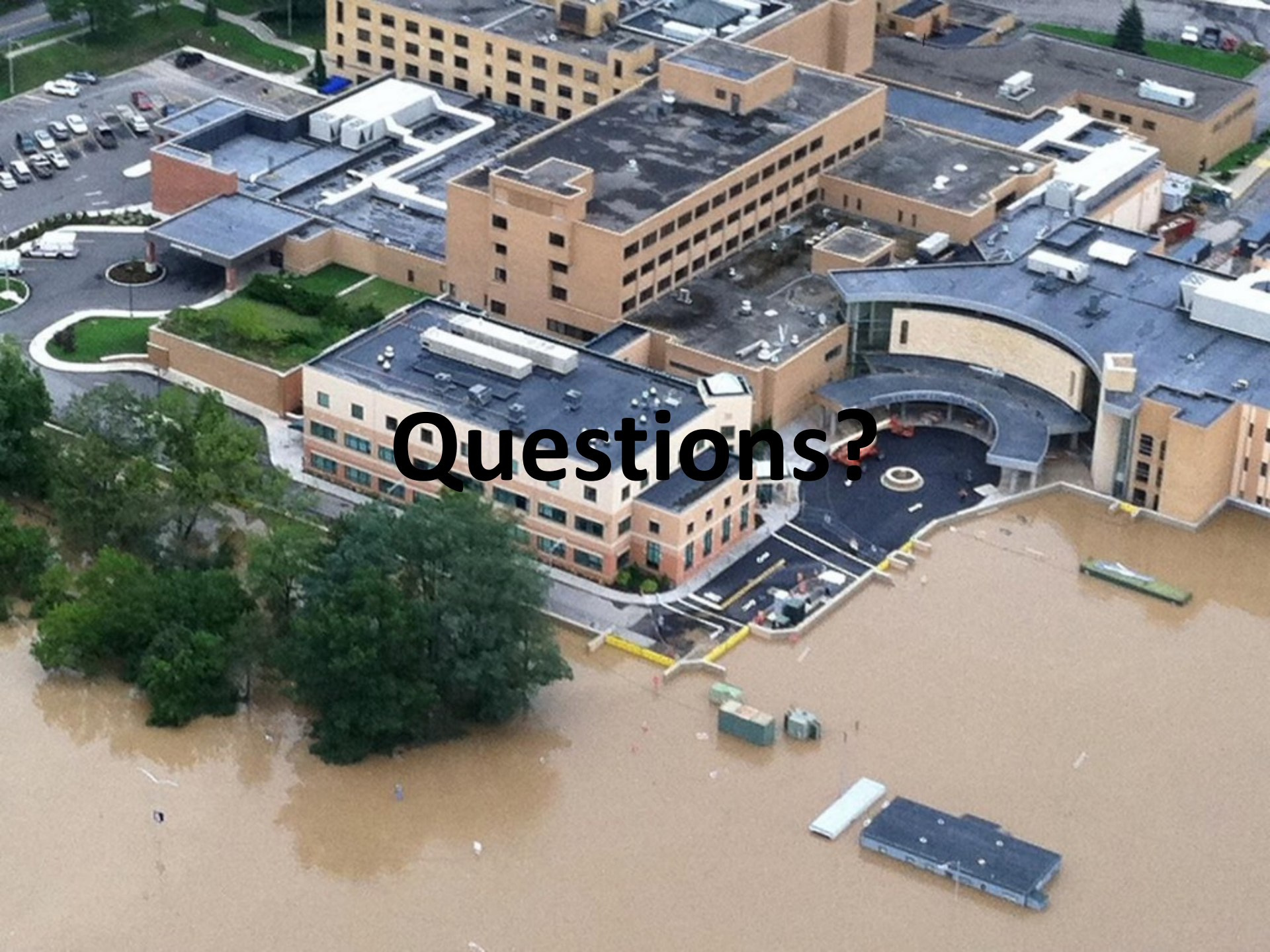
Hurricane Irene and Tropical Storm Lee

Health and Safety Concerns	Repairs to the Electric System
<ul style="list-style-type: none">● Responding to safety concerns, including live downed wires● Restoration of key facilities, such as hospitals or police stations● Feeders with critical customers or high-priority customers	<ul style="list-style-type: none">● Transmission/sub-transmission facilities, including substations● Distribution substations● Three-phase primary (main feeder from substation)● Single-phase side taps (one phase)● Secondary services and individual distribution transformers supplying small groups of customers

Utility Priorities During Restoration

Lessons Learned (OEM)

- **Go bigger faster**
 - EMAC assistance was invaluable
 - Updating EOC activation timeline
- **Need more capacity**
 - Staff and resources
 - New OEM regional construct, IMTs, stockpile
- **Need better situational awareness**
 - “Warning Point” to Watch Center
 - Rapid Regional Response Teams



Questions?