



**Homeland Security
and Emergency Services**

Emergency Management Certification and Training (EMC & T) Refresher

Terry Hastings, DHSES Senior Policy Advisor

2017 NYSEMA Conference

FOUO//For Official Use Only

**Please sign in to ensure that you
receive credit for the refresher training**

EMC & T

- Training intended to provide key stakeholders with a baseline understanding of emergency management in New York State, to include the State's emergency management framework and related initiatives

EMC & T

- The EMC & T program includes three Tiers of training:
 - County Chief Executives (Tier 1)
 - County Emergency Managers (Tier 2)
 - Local Public Officials, First Responder Leadership and Other Emergency Management Partners (Tier 3)
- County Chief Execs (or designees) and County EMs must complete the training (and annual refresher training) for DHSES grant eligibility purposes

EMC & T

How the EMC & T training is delivered:

- NY Association of Counties Conference (Tier 1)
- EMC & T Academy (Tier 1/Tier 2)
- Regionally, in concert with County EMs (Tier 3)
- On-line (refresher only)

EMC & T

Annual refresher options include any of the following:

- NY Association of Counties Conference
- NYSEMA Conference (refresher training session)
- Host or attend a Tier 3 training
- On-line

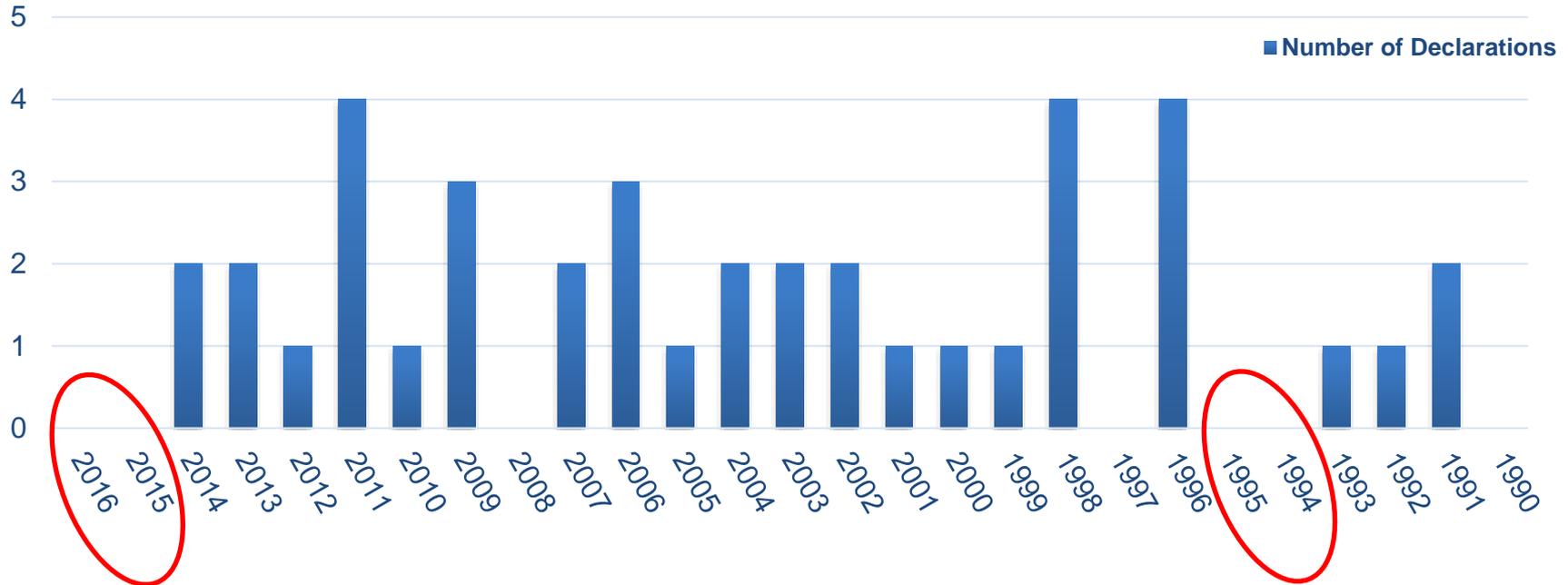
Agenda

- Year in Review – New York and National
- Looking Ahead

Year in Review- New York

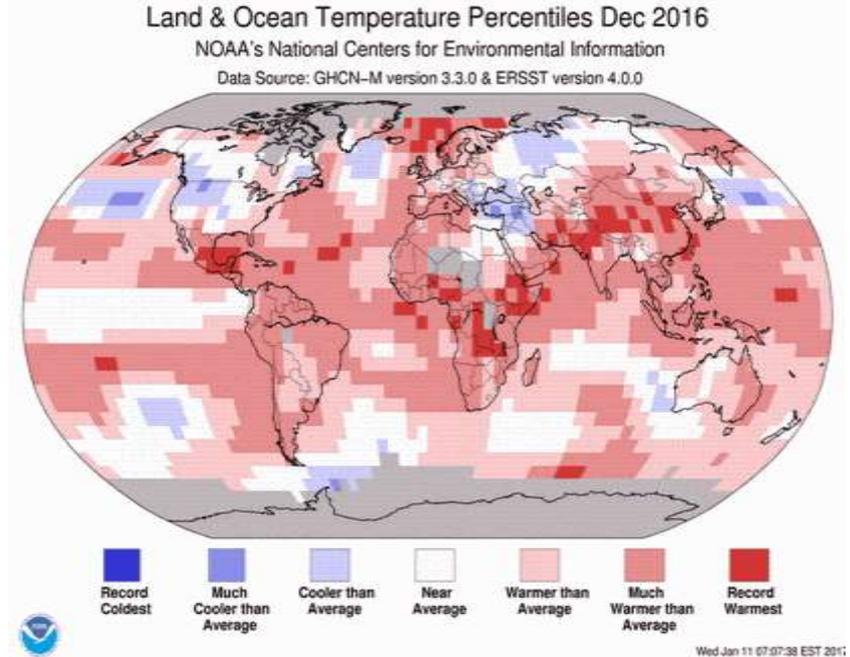
NYS Disaster Declarations by Year

- For the second consecutive year, NYS did not receive a Disaster Declaration, the first time since 1994 & 1995



Record Breaking Temperatures in 2016

- Globally, 2016 was the warmest year ever since record keeping began in 1880 – (2015 was previously)
- February brought some of the decade's **lowest temperatures** to Upstate New York
- March brought some of the **warmest temperatures**
- In October **heat records** were set across the Eastern US



Extreme Weather and Close Calls

Winter Storm Jonas -- January 22-24th

- 26.8" of snow in Central Park
- Second largest snowstorm in NYC since 1869

New York Droughts -- July 2016

- For the first time in 14 years, officials issued a drought watch for the entire state, with the most severe conditions in western NY
- Preceded by a very mild winter

Hurricane Hermine -- August 2016

- Steered clear of New York but states of emergencies were declared in GA, NC, VA, MD, NJ
- Tropical Storm Warning issued in New York; did result in minor coastal flooding



Public Health Concerns and Critical Infrastructure Failures

Hoosick Falls Water Contamination -- June 2016

- High levels of potentially cancer causing PFOA were detected in the Municipal Water Supply
- New York State is rehabilitating wells and transferring payment to the Village for rebates to residents on past water bills

Crane Collapse On Tappan Zee -- July 19th

- No deaths or serious injuries
- All lanes of the bridge were closed for 5 hours

New Hyde Park Train Derailment -- October 8th

- 33 injured
- Commuter train sideswiped a work train, the commuter train derailed and the work train caught fire



Wildfires and Industrial Fires

Sam's Point Wildfire -- April 28th

- Approximately 2,028 acres burned
- Took nearly a week and over 300 responders from local and state agencies to contain the blaze
- No structural damage and only minor injuries were reported



Bethlehem Steel Fire -- November 9th

- A hot lightbulb fell, igniting the facility, which housed a cardboard and plastic recycling business
- It took over 100 firefighters to contain the fire



Terrorism

NY/NJ Bombing -- September 17th-19th

- Initial explosion in NJ, 2 unexploded bombs found nearby, no one injured
- Explosion in Chelsea neighborhood, 29 injured
- Manhunt ensued following Chelsea explosion, NYC issued a regional Wireless Emergency Alert upon identifying suspects name
- Backpack containing 5 bombs was found in Elizabeth, NJ
- Suspect captured following a shootout with police in Linden, NJ



7:57

Monday, September 19

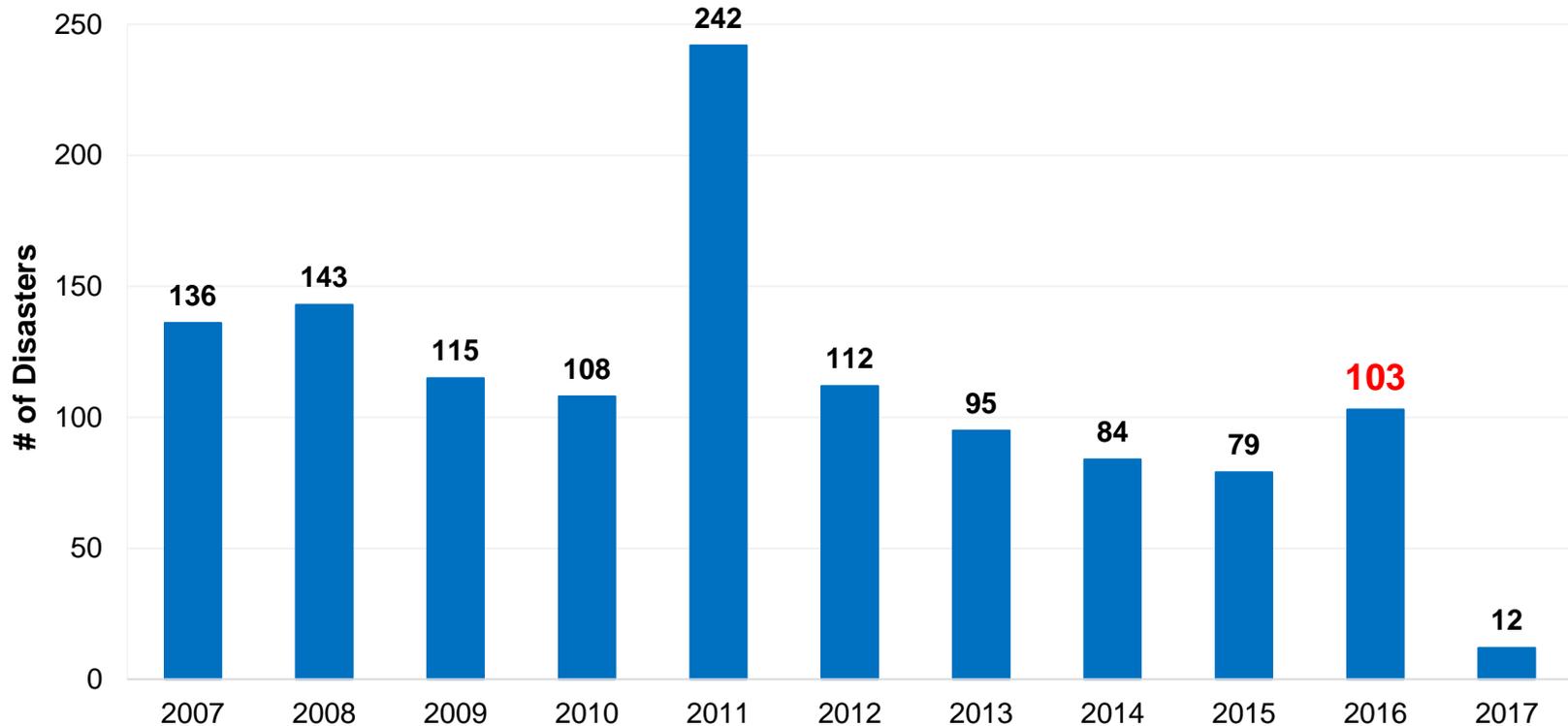
 **Emergency Alert** 2m ago
WANTED: Ahmad Khan
Rahami, 28-yr-old male. See
media for pic. Call 9-1-1 if seen.

Year in Review- National

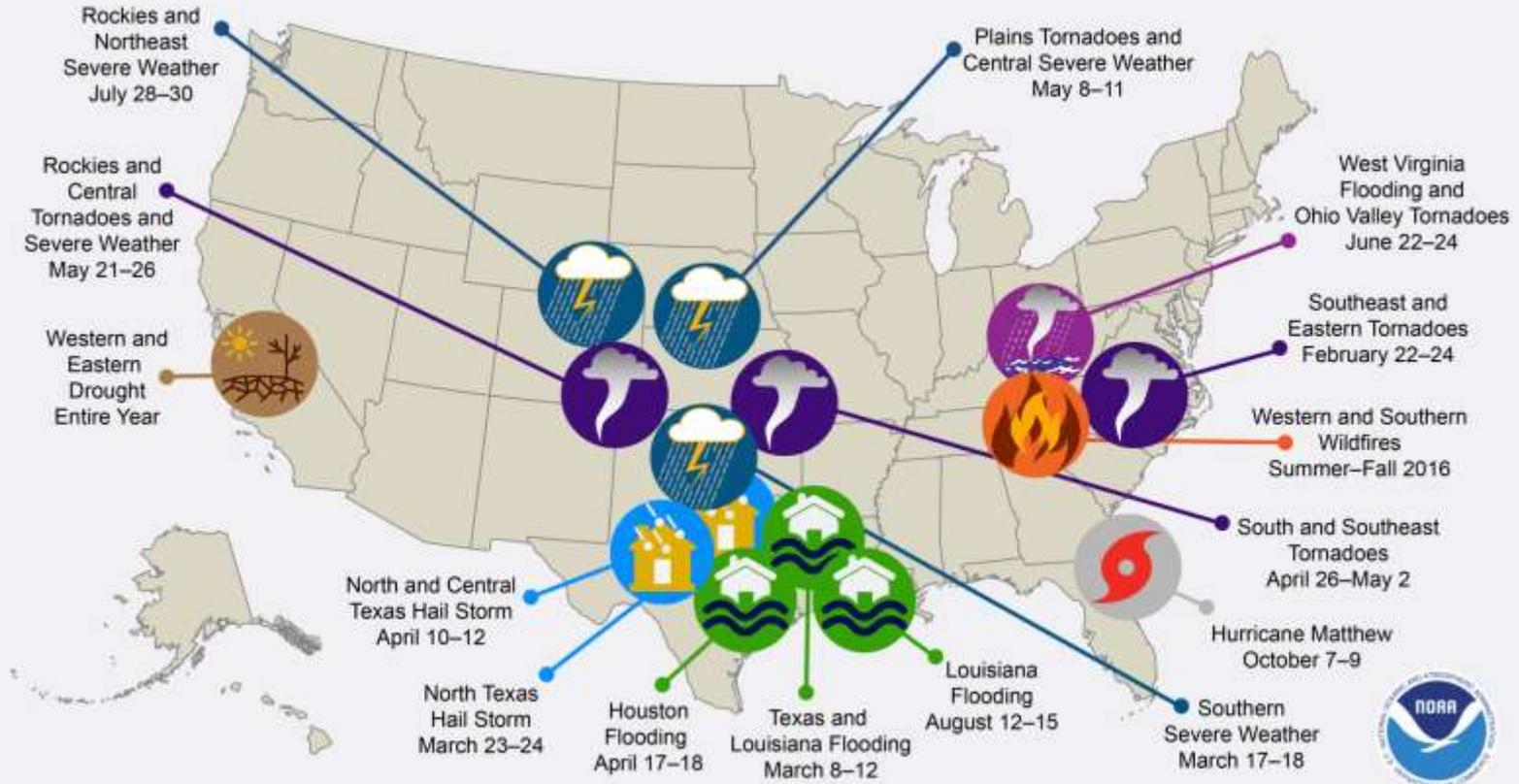
Natural Disasters

- **103** Federal Disaster Declarations in 2016, up from 79 in 2015.
- **15** weather and climate disaster events with losses exceeding **\$1 billion** each across the United States, the highest number of billion dollar events since 2011 (16).
- These events included a **drought** event, 4 **flooding** events, 8 **severe storm** events, a **tropical cyclone** event, and a **wildfire** event.

Federal Disaster Declarations Over The Last Decade

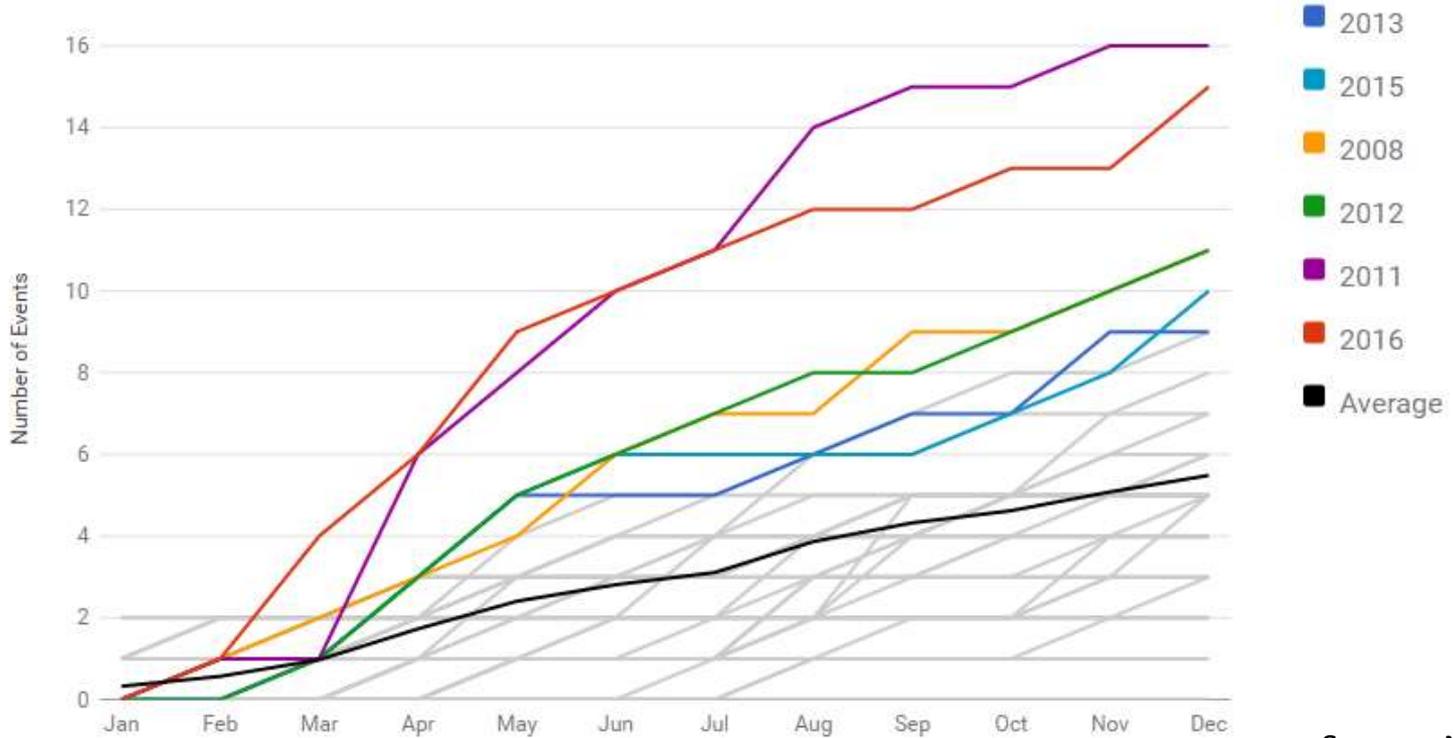


U.S. 2016 Billion-Dollar Weather and Climate Disasters



This map denotes the approximate location for each of the 15 billion-dollar weather and climate disasters that have impacted the United States during 2016.

Billion dollar disasters 1980-2016



Source: NOAA

Public Health Concerns

Zika Virus

- As of January 2017, the total number of Zika cases in the U.S. was 4,835
- Declared a public health emergency of international concern from February 2016- November 18, 2016



Water Contamination

- Flint, MI & Hoosick Falls, NY most notable
- Thousands of other systems across the country are having serious problems as well (e.g., PFOAs, lead, bursts, breaks, corrosion)



Critical Infrastructure Failures

Hoboken Train Crash -- September 29th

- The accident occurred during the morning rush hour, at one of the busiest transportation hubs in the New York metropolitan area
- The train went over the bumper block and through the rail concourse, coming to rest right before the station's waiting area
- 1 killed, at least 114 injured



Other Notable Events

Presidential Election -- November 2016

- On November 8th, Donald Trump was elected the United States 45th President
- New DHS Secretary (John Kelly)
- Yet to appoint a FEMA Administrator (Bob Fenton is Acting)



Cyber Incidents

Justice Department Hack

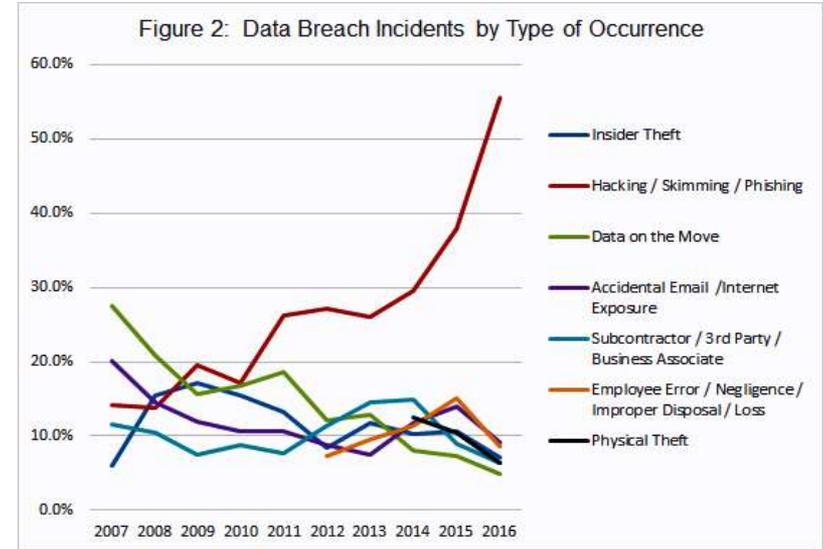
- Release of data on 10,000 Homeland Security Department employees and 20,000 FBI workers

Democratic National Committee (DNC) email leak

- A collection of DNC emails leaked and published by WikiLeaks in July

Yahoo Cyber Hack

- Occurred in August 2013, discovered in 2016, disclosed in December 2016
- More than **a billion** user accounts affected, largest attack in history



In 2016, tracked U.S. data breaches hit an all-time high of 1,093

- **Marks a 40% increase from 2015**

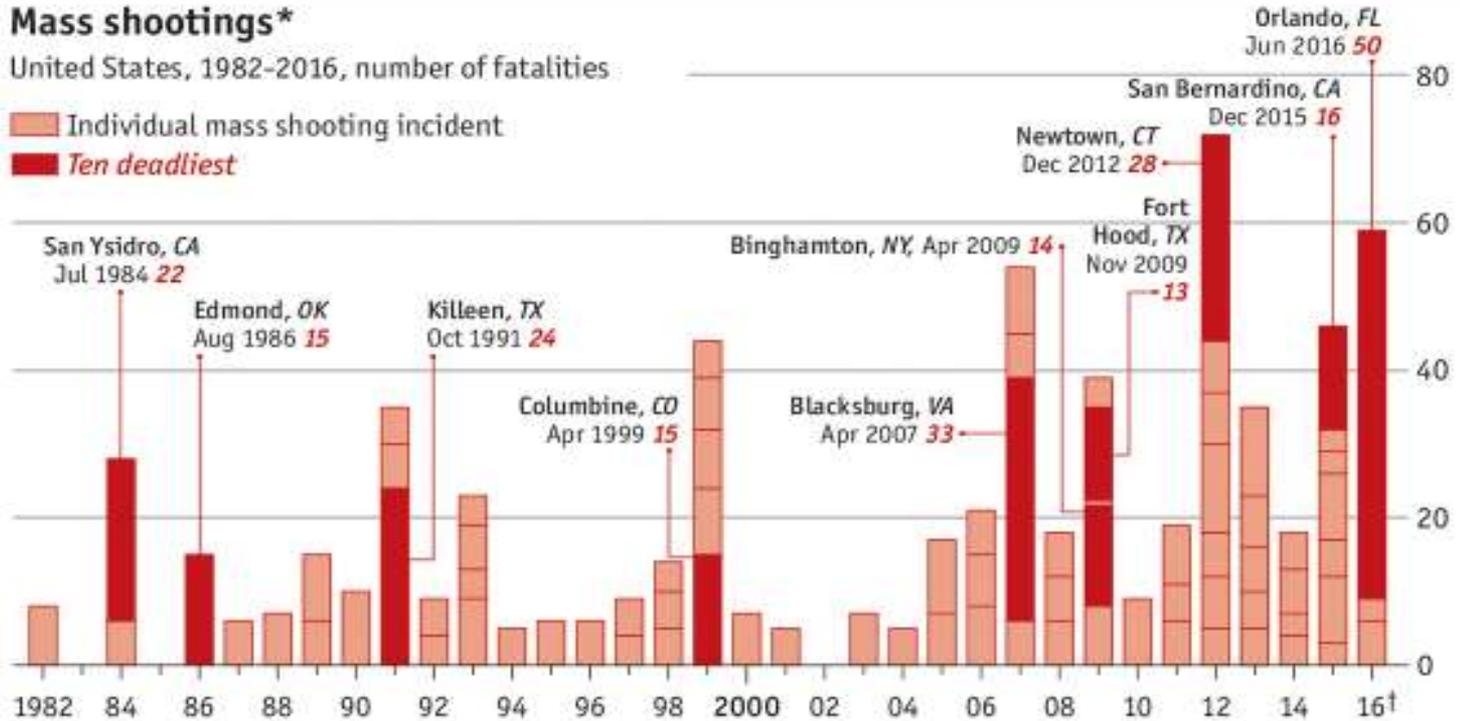
-Identity Theft Resource Center

Mass Shooting Trends

Mass shootings*

United States, 1982-2016, number of fatalities

- Individual mass shooting incident
- Ten deadliest*



Sources: *Mother Jones*; press reports

*Shootings with three or more fatalities. Before January 2013, shootings with four or more fatalities. Not comprehensive †To June 13th

Notable Shootings

Orlando Shooting -- June 12

- Deadliest mass shooting in U.S. history
- 50 dead, 53 injured



Dallas Shooting -- July 7

- Sniper fired at police officers during a protest against officer-involved shootings
- 5 officers killed, 7 officers and 2 civilians wounded



Baton Rouge Shooting -- July 17

- Shooting of police officers
- 3 officers killed



Violence Against Police

- There were 135 law enforcement officer fatalities in 2016
 - 64 officers shot and killed
 - 21 officer deaths were from ambush-style attacks
- 5 of the deadliest states for law enforcement agents include:
 - Texas, California, Louisiana, Georgia, & Michigan



Homegrown Islamist Extremism

St. Cloud Minnesota Stabbing -- September 17th

- 22 year old stormed a mall and stabbed 10 people before being shot dead by an off-duty police officer



Ohio State University Attack -- November 28th

- 18 year old Somali refugee drove his vehicle into a group of pedestrians and continued on to stab individuals with a butcher knife
- 11 people hospitalized

THE ISIS TERROR THREAT IN AMERICA



Terrorism Abroad

Brussels -- March 22nd

- 3 coordinated nail bombings (2 at Brussels Airport, 1 at a Metro Station)
- 32 killed, 3 suicide bombers, over 300 injured
- Additional bomb found at the airport
- ISIS claimed responsibility

Nice, France -- July 14th, Bastille Day

- 84 killed, over 200 injured
- Driver of 20 ton refrigerated truck first fired at, then plowed into a crowd that was gathered to watch fireworks



Terrorism Abroad

Istanbul -- June 28th

- At least 45 killed, 230 injured
- Gunfire and subsequent suicide bombings



Berlin -- December 19th

- At least 12 killed, 48 injured
- A truck carrying construction material was hijacked and then driven through a crowded Christmas market



Looking Ahead

Looking Ahead – New York State

- OEM Transition to ESF Planning Model
- UAS program
- Cyber Teams
- CEHC Update
- Swift Water Rescue Training Facility
- Airport Employee Security Training
- CEPA Update
- Emergency Management Accreditation



OEM Transition to ESF Planning Model

- DHSES OEM is in the process of restructuring into an Emergency Support Function (ESF) planning model



Unmanned Aircraft Systems (UAS) Program

- DHSES is working to develop a UAS capability for emergency response operations, disaster assessment, and critical infrastructure assessment
- Finalizing a concept of operations to deploy and utilize the UAS capability
- Currently pursuing the a Certificate of Authorization (COA) from the Federal Aviation Association (FAA)
- Exploring the notion of a UAS Training program at the SPTC for state agencies and the counties *(more details to follow)*



Cyber Incident Response Team

- Announced in 2017; the team is located within the DHSES Office of Counter Terrorism
- Assists State agencies, local governments, and critical infrastructure with cyber preparedness, coordination of exercises, and recommends best practices
- Provides comprehensive reviews of cybersecurity policies, conducts vulnerability assessments and network scans, and provides support for incidents
- Serves as a single point-of-contact for critical infrastructure and local government entities to report significant cyber incidents



CEHC Update

- Appointed Robert Griffin as the new dean in January 2017. Will be beginning the new post July 2017
 - Griffin was most recently the DHS Deputy Under Secretary for Science and Technology
- **As of February 2017, the college had 220 majors and 328 minors enrolled**
- Groundbreaking for the new CEHC building on the State Harriman Campus will begin this year, with expected completion by 2020



Swift Water Rescue Training at the SPTC

- A first of-its-kind Swift Water Rescue Training Facility dedicated to emergency operations
- Will be built at the SPTC, expected completion in 2018
- Will hold over two million gallons of water and allow up to 40 responders to simultaneously practice rescues in both rapid water and urban conditions



Transportation Security Training for Airport Employees

- Developed following a review of the false-alarm active shooter situation at JFK airport in August 2016
- An eight-hour training for airport civilian employees on active shooter situations and security awareness
- Initial rollout at JFK and will be extended to airports statewide



County Emergency Preparedness Assessment (CEPA) Update

- DHSES needs to **update/validate** the CEPA information to ensure it is current and accurate
- Will conduct another round of CEPA sessions with every County (and NYC)
- Want to understand where **progress** has been made and what **challenges** remain
- Opportunity to promote **continued communication and coordination** among state and local partners
- Planning to update CEPA **every 3 years**

Local EM Accreditation

- Spoke about it yesterday
- See DHSES webpage for more detail
- Let us know if you are interested



Looking Ahead – Federal Government

- Gotham Shield
- Homeland Security Grant Funding Update
- Federal Disaster Assistance Funding Update
- NIMS Update



Gotham Shield Exercise

- FEMA led full-scale exercise taking place in spring 2017
- Will simulate a 10-Kiloton IND explosion in NYC and Northern NJ to assess mass evacuation, sheltering, and response capabilities



Homeland Security Grant Funding

- Continuing resolution until 4/28, uncertain if we will see any guidance before then
- Anticipate a very short turnaround to apply
- Uncertain about what approach the Trump administration may take moving forward
- **Updated State Homeland Security Strategy out soon**

Federal Disaster Assistance Funding Update

- FEMA is still pursuing a “disaster deductible” concept for Public Assistance funding
- States would have to commit a certain level of disaster assistance funding before being awarded FEMA funds
- Proposed rulemaking is on going, so stay tuned...



National Incident Management System (NIMS) Update

- FEMA is working to “refresh” the NIMS doctrine – NIMS compliance and reporting still a grant requirement
- Don’t envision drastic changes, but FEMA is working on new Center Management System (CMS) concept as part of NIMS
- CMS intended to better recognize the difference between tactical operations at an ICP and the more operational and coordination roles of an EOC
- Still draft - training and additional guidance to follow

National Incident Management System (NIMS) Update



Proposed CMS Command and General Staff Construct

Thank You!

