



# Remember; when disaster strikes, the time to prepare has passed.

-- Steven Cyros



## **Coastal Storm Planning**

Where it was

Where it is

Where it's going

#### Introduction

The Healthcare Facility Evacuation Center (HEC) is a NYSDOH-run entity that coordinates the evacuation, shelter-in-place (as needed), and repatriation of healthcare facilities during a regional multi-facility evacuation scenario with the assistance of multi-agency partners that are specific to the region that the HEC is operating in. These agencies include local health departments, offices of emergency management, and healthcare facility associations among others.

## History of the HEC

- NYC Coastal Storm Plan
  - Coastal Storm Activation Playbook
  - Evacuation Plan
  - Recovery and Restoration Plan
  - Sheltering Plan
  - Logistics Plan
  - Public Information Plan
  - Debris Management Plan
  - Healthcare Facility Evacuation Plan

### Healthcare Facility Evacuation Plan

- Healthcare Facility Evacuation Center (HEC)
  - Finds beds for evacuating facilities
  - Arranges transportation between facilities
  - Provides guidance to receiving facilities
  - Provides shelter-in-place guidance
  - Troubleshoots evacuation issues
  - Assists with repatriation

#### HEC

- Facility Communication
  - Hospitals
  - Nursing Homes
  - Adult Care Facilities
- Regional Coordination
  - Nassau
  - Suffolk
  - Westchester

- Transportation
  - Ambulances
  - Ambulettes
  - Buses
- Field Operations
  - Coordination specialist

### The Players

- New York State Department of Health (NYSDOH)
- New York City Office of Emergency Management (NYC OEM)
- Greater NY Hospital Association (GNYHA)
- Health & Hospitals Corporation (HHC)
- NYC Department of Health and Mental Hygiene (DOHMH)
- Veterans Administration (VA)
- NYS Office of Mental Health (OMH)
- Multiple nursing home associations

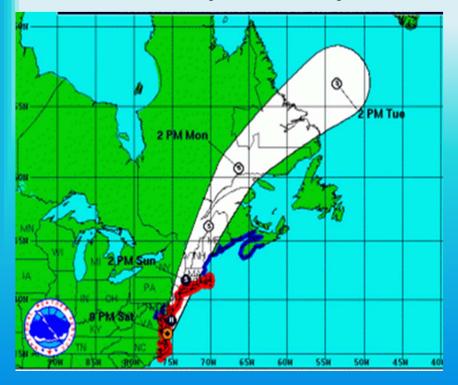
## The Players (Transportation)

- NYSDOH
- NYC OEM
- NYC Fire Department (FDNY)
- Regional EMS Council (REMSCO)
- Metropolitan Transportation Authority (MTA)
- Taxi & Limousine Commission (TLC)
- NYC Department of Education (DOE)

#### A Tale of Two Hurricanes

Irene (and Lee)

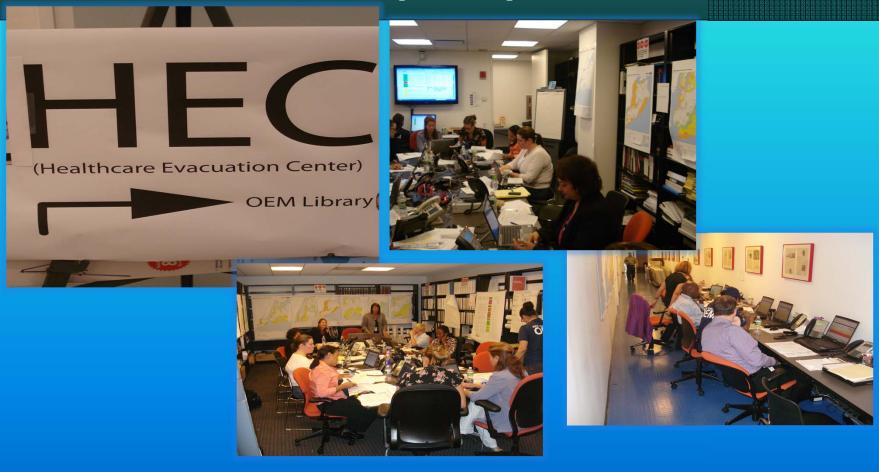
Sandy





# **Healthcare Evacuation Center**

(HEC)



## Challenges

- Transportation resources
- Bed availability
- Communications
- Ensuring adequate staffing with mission expansion
- Feeding the beast (sitreps, dashboards, reports, etc.)

#### Between Hurricanes

- Healthcare Evacuation Plan Update
  - ~10 months
  - 12 workgroups
  - ~85 deliverables
  - >25 planning partners (with consensus)
- Focus
  - SiP, Data systems, regionalization, structure, command/control, HEC facility, sending/receiving arrangements, etc etc etc

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### What was accomplished

- Majority of Shelter-in-Place work
  - Send/receive arrangements, SiP surveys, Receiving surveys, data analysis, reports, etc.
- HEC Manual
  - JAS, floor plans, timelines, org chart, info flow, scripts, templates, etc.
- Command and Control
- Transportation

## What wasn't completed

- HEC Facility (partially completed but backup plan was in place)
- Regional Coordination (partially completed)
- Finance (partially completed)
- Repatriation (partially completed)
- Data systems (partially completed)

# Hurricane Sandy Oct. 29<sup>th</sup> 2012



# What Sandy really was









### Healthcare Facility Evacuations

#### Evacuations:

- 6,001 Patients and residents were evacuated from NYC Healthcare Facilities
- 51 Facilities evacuated in NYC, Nassau, Westchester and Suffolk Counties

	NYC	Nassau	Westchester	Suffolk
Hospitals (H)	6 (w/VA and OMH)	1	0	3 (partial – voluntary pre-storm)
Nursing Homes (NH)	17	5	1	2
Adult Care Facilities (ACF)	14	3	2	3
Totals:	37	9	3	8

## What the HEC was supposed to do

- Healthcare Facility Evacuation Center (HEC)
  - Finds beds for evacuating facilities
  - Arranges transportation between facilities
  - Provides guidance to receiving facilities
  - Provides shelter-in-place guidance
  - Troubleshoots evacuation issues
  - Repatriation

# What the HEC did (Mission creep)

- All of the above and some...
  - Dialysis facilities (ESRDs)
  - Fueling for vehicles and generators
  - Generator and pump deployment/sustainment
  - HHS Liaison (coordinating DMAT's, FMS, etc.)
  - Wellness checks
  - Interim housing/facility procurement/placement
  - Home care staff/agency problem resolution
  - Logistics support to HCFs (meals, equipment, etc.)
  - Patient tracking and family assistance (until system in place)
  - Miscellaneous duties as assigned

# Irene vs. Sandy

	Irene	Sandy
Evac	~10,000 pre- storm	~6,000 with ~7,600
	301111	movements
HEC	6 days w/repatriation	25 days w/repatriation
	complete	still ongoing
HEC Staff	~18	~40

#### So now what...

- Regionalization
- Data systems
- SiP, sending/receiving arrangements, receiving surveys
- HEC Facility
- Repatriation
- Billing and reimbursement
- Training and exercises

#### Future of the HEC

- Statewide applicability
  - Statewide implementation 2013-2014
- Scalable
- Non-hurricane scenarios
  - Power outages
  - Natural disasters
  - Target patient populations (burn surge, etc.)
  - Others

#### The 2013 HEC

Changes to the operations

Changes to the staffing

Changes to the structure

Changes to the players

#### **Evacuation Decisions**

- Facility level
  - You are ultimately responsible for the safety and security of your patients or residents
  - What factors play into the decision?

- Local chief elected official
  - Statutorily identified as the person responsible for issuing a mandatory evacuation
  - What factors play into the decision?

#### When to use the HEC

- Pre-HEC Activation
  - All HCFs continue to use their partnerships and resources in their evacuation decision-making and operations
- HEC Activation
  - Once HEC is activated, the HEC must be notified of all patient movements to provide better situational awareness and COP

#### When to use the HEC

- Mandatory Evacuation Order (NYC specific)
  - If a mandatory evacuation order is issued by the local chief elected official, all transportation resources will be coordinated through the HEC
    - Exception: If a system is moving patients within their system and using their own resources, they just need to notify the HEC of those movements

#### **HEC Communications**

- Two-way
  - Increased information sharing between HEC and other planning partners
  - New and unified sitrep format

- POC Information
  - NYSDOH Health Commerce System
     Communications Directory
  - Updated information obtained at the beginning of the response

#### How to use the HEC

 All HCFs and planning partners will be notified in advance, when the HEC is going to be activated and how to contact the HEC

## **HEC Staffing**

- Same agencies as last year
  - NYSDOH, NYCDOHMH, NYC OEM, GNYHA, SNY, etc.
  - Increased presence of NYSDOH staff

Increased training for identified HEC staff

### New players

- Regionalization
  - Nassau
  - Suffolk
  - Westchester Counties
  - Coordinated through NYSDOH reps in each county
     EOC

Two-way information flow

### What the HEC is used for

- Bed matching
- Transportation resources
- Shelter-in-Place issues

### What local ESF-8 is used for

- Everything else
  - Generators
  - Fuel
  - Placards
  - ESRD issues
  - Etc
  - Etc

#### How to contact the HEC

- A single phone number will be broadcast to all HCFs and response partners when they are notified about the HEC opening
- Items that are not HEC related will be routed to the respective ESF-8 for further handling
- Contacting your local ESF-8
- Contact numbers will be shared

# **Bed Matching**

What is entails

How is it done within the HEC

HEC responsibilities versus facility responsibilities

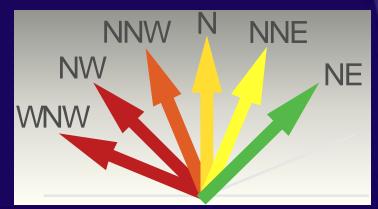
#### **Evacuation Zones**

- New York City
  - Zones have expanded from A, B, C to 1-6
- Suffolk County
  - No change
- Nassau County
  - No change
- Westchester County
  - No change

## Maximum Surge Heights by Storm Bearing

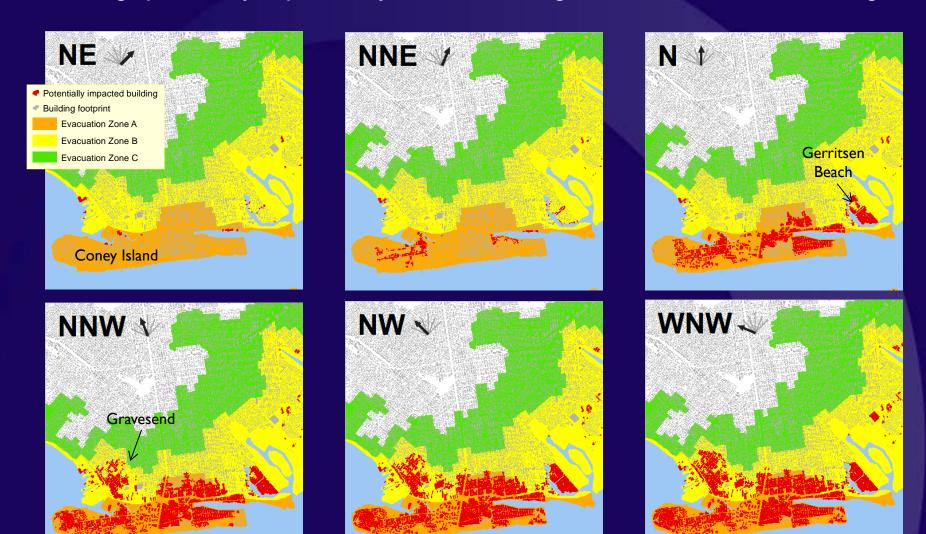
	WNW	NW	NNW	N	NNE	NE
Category 1	12.6	12.1	10.7	8.8	6.6	5
Category 2	20.9	20	20.1	16.5	11.4	8.1
Category 3	26.6	27.6	27.4	23.4	17	11.3
Category 4	32.4	33.9	33.9	30.6	21.7	14.6

Storm bearings



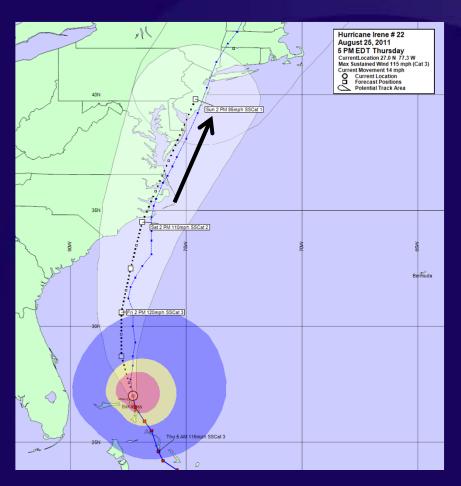
#### Potential Building Impacts: Cat 1 Hurricanes

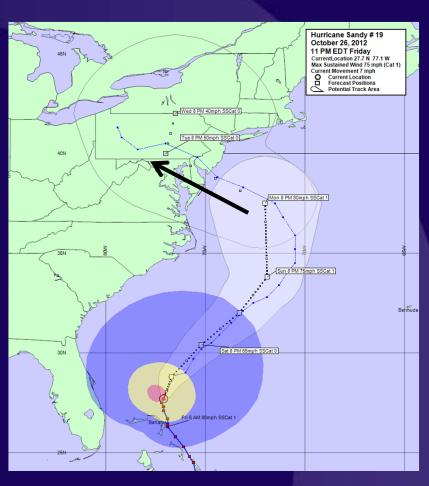
Buildings potentially impacted by worst-case surge based on hurricane bearing



#### Irene – NNE bearing

## Sandy – WNW bearing (NW at landfall)





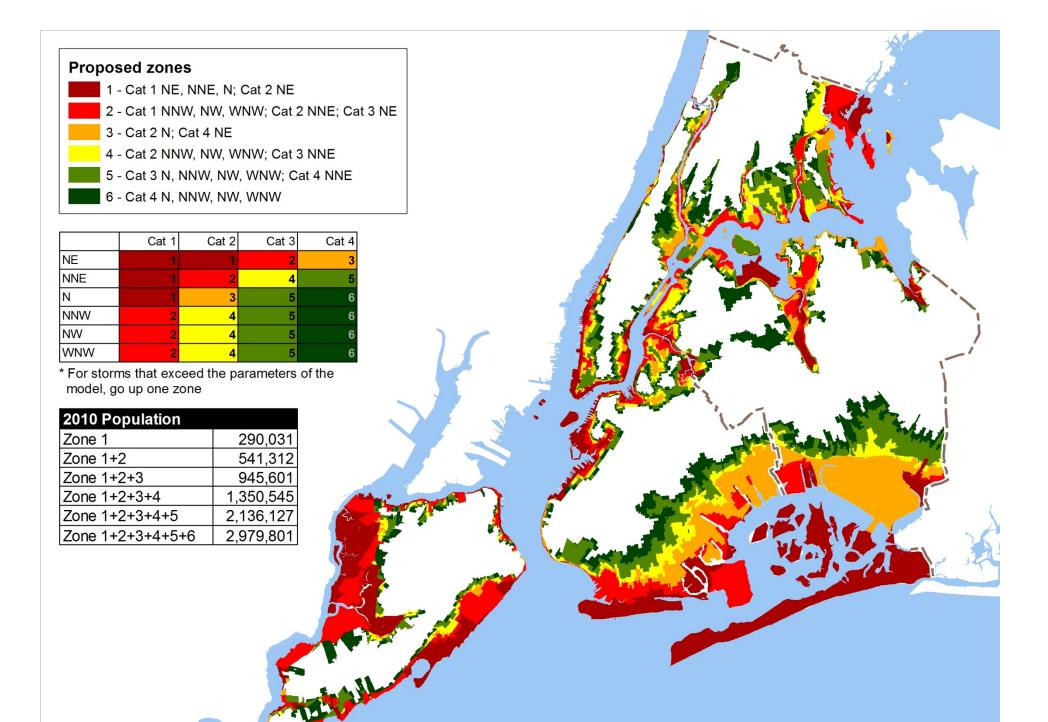
Predicted storm tracks for both storms 70 hours before landfall



## Bearing Based Proposal

- Bearing has significant effect of storm surge
- Allows for more flexibility in evacuation (less likely to over- or under- evacuate)
- Storm track predictions are more accurate than predictions of intensity





Facility	2012			
	Zone A	Zone B	Zone C	Total
Hospitals	6	2	13	21
Nursing homes	22	12	27	61
Adult care				
facilities	17	8	9	34

Facility	2013							
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Total	
Uespitals	<b>A</b>	<b>A</b>	0	C	0	•	25	
Hospitals	4	4	0	6	9	2	25	
Nursing homes	23	6	8	6	19	9	71	
Adult care								
facilities	17	4	2	7	6	3	39	

#### Shelter-in-Place

Does NOT involve entire facilities

 Should only include those patients/residents whose risk of a negative outcome from moving exceeds the risk from sheltering-inplace

 Whether or not SiP will be allowed is part of the evacuation decision

#### **Planning Considerations**

- Have you reviewed your plan since Sandy?
- Have you updated your plan since Sandy?
- Have you trained staff to your plan?
- Have you exercised your plan?

#### **Planning Considerations**

- HCFs are regulated by the State Commissioner of Health
- The local chief elected official or his/her designated representative is responsible for issuing evacuation orders
- Storm forecasts will change resulting in compressed decisionmaking timelines and operational constraints
- NYSDOH requires every HCF's to create and maintain a written facility evacuation plan:
  - Hospital: Public Health Law (PHL) Title 10 Sec. 401.2
  - Nursing Homes PHL regulatory section 415.26 (f)
  - Adult Care Facilities PHL Sections 487.12 & 488.12 Title 18

#### **Planning Considerations**

- The threat to HCFs and patients/ residents, as well as to agency and support personnel, increases as the storm approaches
- All evacuation activities must be completed prior to "Zero Hour" (defined as the onset of tropical storm force winds of 39 mph or greater)
- HCFs in Evacuation Zones may incur damage that prevents the immediate return of evacuated patients/ residents
- HCFs within the 5 boroughs of NYC but outside Evacuation Zones are designated receiving facilities, or receiving HCFs (NYC specific)
- HCFs located outside the city will be designated receiving HCFs when conditions require (NYC specific)
- Mass transit shutdown at +8 hours (NYC specific)

# HEC vs. Facility Decision Making Timelines 96 Hours to Zero Hour

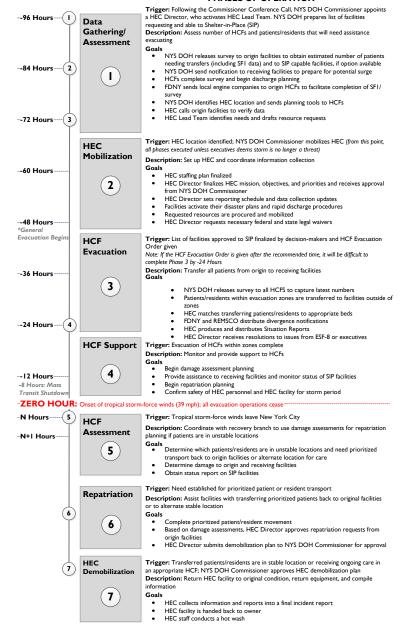
#### **HEC Activities**

- -96 to -84 Hours
  - Information gathering
  - Activation and notification
- -84 to -72 Hours
  - Recommendation to NYC Local Chief Elected Official regarding evacuation/SiP
- -24 Hours
  - HCF evacuation complete
- What does this timeline mean?
- What is this timeline dependent upon?

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#### **HEC DECISION-MAKING TIMELINE- NYC Only**

#### PHASES OF OPERATION

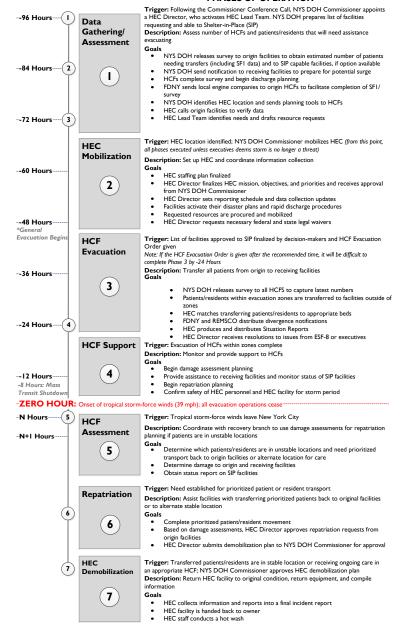


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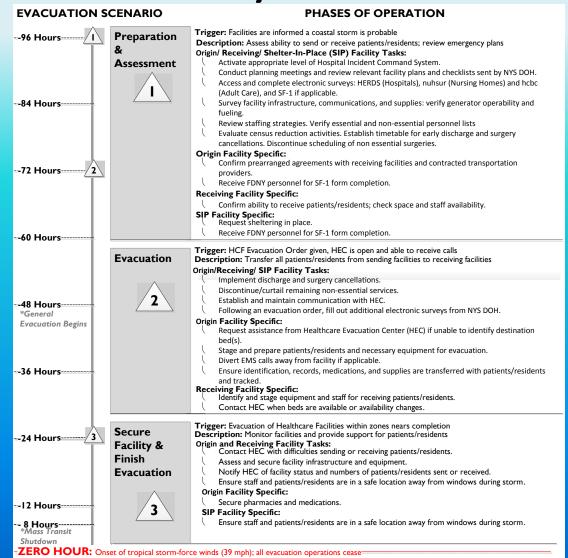
#### **HEC DECISION-MAKING TIMELINE- Non-NYC**

#### **PHASES OF OPERATION**

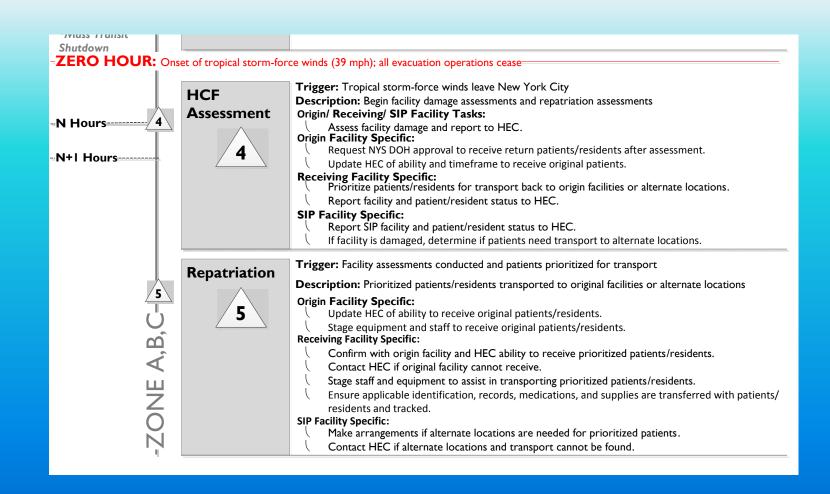


Last Revised: 7/20/2012

#### Facility timelines



### Facility timelines



#### **Facility Activities**

- Information gathering / Situational Awareness
- Evacuation decisions
  - Who to evacuate
  - Who to SiP
  - Staffing availability / housing
  - Supplies

#### **Facility Activities**

- Gas shortages?
- Prolonged power outage?
- Facility damage?
- When to evacuate
- Operating through the storm impact
- Target start time and target completion time
  - Dependent upon location, size, etc.

#### Repatriation

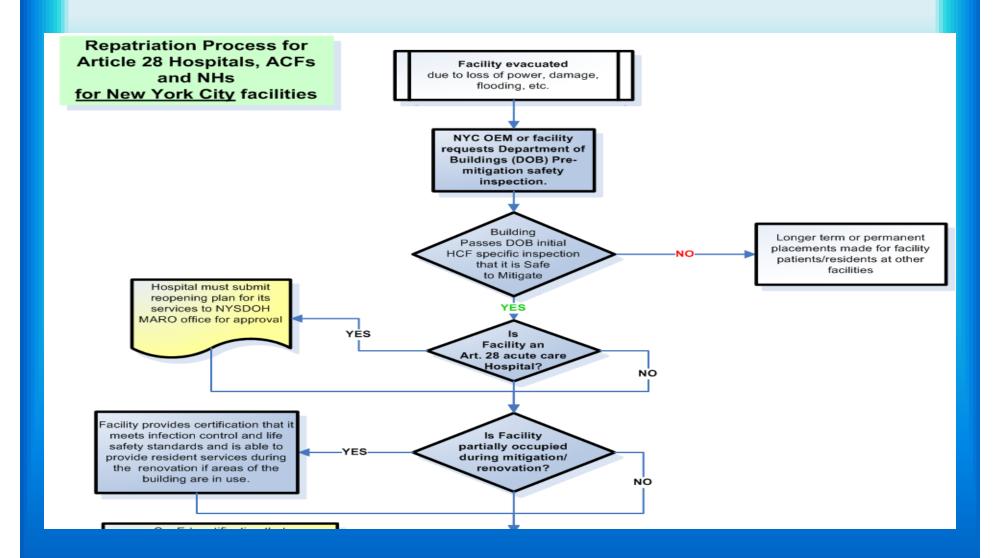
Meet local requirements

Meet NYSDOH requirements

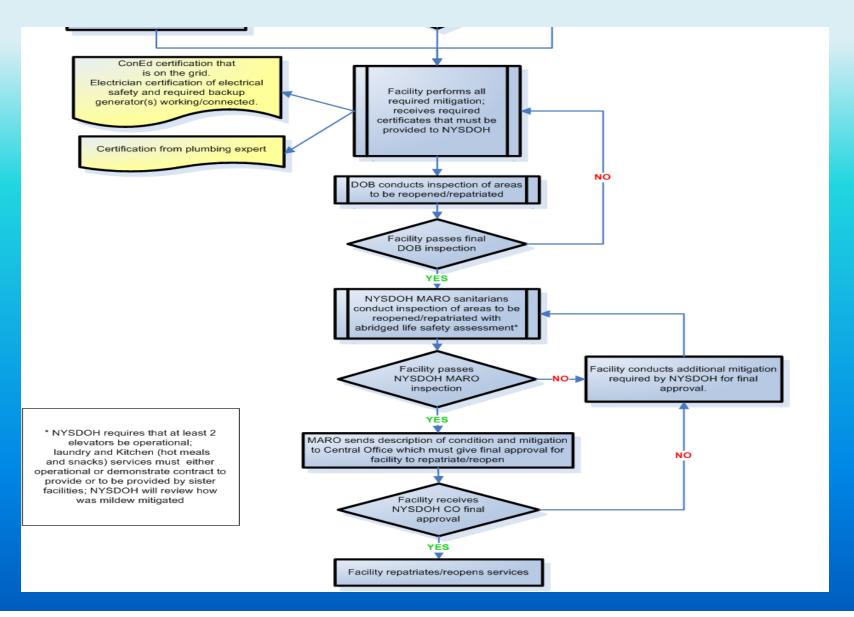
Through HEC or NYSDOH Central Office

Final approval through NYSDOH Central Office

#### **DRAFT**



#### Draft



#### "Take Aways" for ALL HCFs

- Work YOUR FACILITY'S Evacuation or Surge Plans
  - Send / Receive arrangements
  - Shelter in Place (SiP) plans and protocols
- Expect Surveys & Phone Calls
  - HERDS, NuhSur, HCBC
  - Phone calls from the HEC to establish evacuation needs and receiving capability
- Need to designate key points of contact for the Facility and back up/by shift

### "Take Aways" for ALL HCFs

#### Stay TUNED!

- In most emergencies if additional guidance or information is needed – this will be issued
  - Posted on the Health Commerce System (HCS);
  - Via IHANS alert;
  - Other systems such as email, conference calls;
  - Individual communications by Regional NYSDOH representatives, HEC representatives, NYC OEM, NYCDOHMH, FDNY, etc.

#### Questions?

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Operational Considerations

## History of e-FINDS

- Need
- Concept
- Development
- Implementation
- 2<sup>nd</sup> iteration
- Future versions



#### **eFINDS**

- Training
  - Overviews
  - WebEx
    - Live
    - Recorded
  - Regional Training Centers
  - Associations
  - NYSDOH Regional Offices
  - Others
- Exercising
  - Training "operation" within eFINDS
- Implementation Guide



#### Accessing eFINDS

- NYSDOH Communications Directory Roles
  - E-FINDS Data Reporter
    - User level
  - E-FINDS Reporting Administrator
    - Facility/LHD Admin
  - E-FINDS Application Administrator
    - NYSDOH only
  - OEM Link
    - User
- LHD vs. RO vs. CO access levels
- Facilities within systems
  - Person needs to be added by each facility
- Associations
  - Person needs to be added by each facility



#### Patient Tracking System Operations

- NYSDOH will notify all HCFs when wristbanding of patients or residents must begin
  - The specifics of how the facilities apply wristbands and entering data is up to the facility
- An "operation" will be created in the system that all HCFs will be able to access
- eFINDS should be used in accordance with the training



#### **Scenarios**

- Pre-planned evacuation
  - With internet access
    - With scanners
    - Without scanners
  - Without internet access
- No notice evacuation
  - With internet access
    - With scanners
    - Without scanners
  - Without internet access



#### Pre-planned evacuation

- Sending facility
  - Ensure that first name, last name, and DOB at a minimum are entered into system
  - If patient/resident is shelter-in-place, identify as such
  - If patient/resident is being transferred and destination is identified, enter the destination information
- Receiving facility
  - Change patient/resident 's current location to new facility and update any necessary information



#### No Notice Evacation

- Sending facility (if time permits)
  - Ensure that first name, last name, and DOB at a minimum are entered into system
  - If patient/resident is shelter-in-place, identify as such
  - If patient/resident is being transferred and destination is identified, enter the destination information
- Receiving facility
  - Change patient/resident 's current location to new facility and enter/update any necessary information



#### e-FINDS Data

What is collected

How is it collected

- Who can see what
  - Permissions based

How is it helpful post-storm



#### Future of e-FINDS

- Future rollouts
- Statewide implementation
- Implementation with other "O" Agencies
  - OASAS
  - OMH
  - OPWDD
  - OCFS
  - OTDA



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