

<p><i>Summary</i></p>	<p>The New York City Office of Emergency Management (OEM) has plans and protocols in place to guide New York City’s response to weather emergencies, including plans for winter weather, coastal storms, extreme heat, flash floods, and events causing power outages, damage to structures, and/or significant amounts of debris. The four key weather emergency plans include the Winter Weather Emergency Plan, Coastal Storm Plan, Heat Emergency Plan, and Flash Flood Emergency Plan. Each plan:</p> <ul style="list-style-type: none"> • Describes a coordinated, flexible response to the hazardous weather event • Defines agency roles and responsibilities • Guides agencies through key decisions and actions to mitigate effects on people, critical infrastructure, and City operations 																	
<p><i>Plan Activation Process</i></p>	<ul style="list-style-type: none"> • OEM Watch Command tracks New York City weather conditions in real time in conjunction with the National Weather Service, 24 hours a day, seven days a week, and disseminates related hazard information to agencies. • When a weather emergency meets one or more of the forecast triggers, OEM activates the relevant plan and convenes interagency steering committee conference calls to coordinate preparation for the event. • OEM activates the Emergency Operations Center, when necessary, to prepare for and respond to weather emergencies. • OEM provides public messaging through Notify NYC, OEM’s website, and the NYC Severe Weather website. • When a weather emergency exhausts New York City’s response resources, OEM will work with agencies to identify vendors that can provide appropriate resources or will request support from the state through the established mission request process. • If conditions warrant, OEM may concurrently activate additional all-hazards and recovery plans and protocols. 																	
<p><i>Activation Levels</i></p>	<p>Based on forecast triggers and interagency steering committee discussion, OEM may convene citywide coordination at one of the following levels:</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Coordination Center</th> <th>Agencies</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>EOC (full)</td> <td>OEM personnel, all interagency steering committee agencies, and additional subject matter experts and partners as needed</td> </tr> <tr> <td>2</td> <td>EOC (partial)</td> <td>OEM personnel and a subset of interagency steering committee agencies</td> </tr> <tr> <td>3</td> <td>Situation Room</td> <td>OEM personnel and key interagency steering committee agencies</td> </tr> <tr> <td>4</td> <td>Watch Command</td> <td>OEM personnel *The City’s EOC is always at least at a Level 4 activation.</td> </tr> </tbody> </table>			Level	Coordination Center	Agencies	1	EOC (full)	OEM personnel, all interagency steering committee agencies, and additional subject matter experts and partners as needed	2	EOC (partial)	OEM personnel and a subset of interagency steering committee agencies	3	Situation Room	OEM personnel and key interagency steering committee agencies	4	Watch Command	OEM personnel *The City’s EOC is always at least at a Level 4 activation.
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<i>Mutual Aid Assistance</i>	If resources are required beyond City assets and procurement, NYC OEM will request assistance from NYS OEM through the following options (in order):	
	Mutual Aid Options	Description
	State-level or federal-level assets	NYS OEM coordinates requested resource through appropriate NYS or federal agencies
	Intra-State Mutual Aid Program (IMAP)	Once an emergency is declared, NYS OEM requests assistance from participating local governments within New York State
	Emergency Management Assistance Compact (EMAC)	After gubernatorial declaration of state of emergency, NYS OEM requests assistance from surrounding states
<i>Plan Development/ Maintenance Actions</i>	<p>OEM continuously revises and improves upon its weather plans and protocols. During this reporting period, OEM conducted the following key plan development and maintenance actions:</p> <ul style="list-style-type: none"> • Technical Memorandum HEP-003 (June 10, 2014) to the <i>Heat Emergency Plan</i> includes: <ul style="list-style-type: none"> - The addition of triggers for excessive heat criteria and accompanying decisions to the <i>Heat Emergency Plan</i> - The addition of Department of Youth and Community Development (DYCD) to the list of Cooling Center partners 	

This document summarizes the weather emergency protocols that are contained within the NYC Winter Weather Emergency Plan (WWEP).

<p><i>Triggers</i></p>	<ul style="list-style-type: none"> • Snowfall exceeding six inches • High temperatures below 15° F for a 48-hour period • Wind chill below 0° F • Sustained winds exceeding 40 miles per hour • Forecasted ice storms or freezing rain • Coastal flooding exceeding three feet 	
<p><i>Winter Weather Emergency Steering Committee</i></p>	<ul style="list-style-type: none"> • 311 • American Red Cross • Amtrak • Community Affairs Unit • Con Edison • Department for the Aging • Department of Buildings • Department of Citywide Administrative Services • Department of Corrections • Department of Education • Department of Environmental Protection • Department of Health and Mental Hygiene • Department of Homeless Services • Department of Housing Preservation and Development • Department of Human Resources Administration • Department of Information Technology and Telecommunications • Department of Parks and Recreation • Department of Sanitation • Department of Transportation • First Deputy Mayor’s Office • Greater New York Hospital Association • Health and Hospitals Corporation 	<ul style="list-style-type: none"> • Metropolitan Transportation Authority • Metropolitan Transportation Authority Police Department • National Grid • National Weather Service • New York City Fire Department • New York City Housing Authority • New York City Office of Citywide Event Coordination and Management • New York City Police Department • New York City Street Conditions Observation Unit (SCOUT) • New York State Unified Court System • New York State Department of Health • New York State Office of Emergency Management • Office of the Chief Medical Examiner • Office of Emergency Management • Port Authority of New York and New Jersey • Public Service Enterprise Group Incorporated (PSEG) – Long Island Regional Emergency Medical Services Council • United States Coast Guard • Verizon

Operational Strategies	The following are WWEP strategies implemented by agencies and coordinated by OEM:	
	Operational Strategy	Agencies
	Cold Weather Alert	DHS, DOHMH, FDNY-EMS, MTA, NYPD, OEM, Port Authority
	Plowing and Spreading	DOT, DSNY, OEM
	Winter Weather Towing	DEP, DOT, DSNY, FDNY, MTA, NYPD, OEM
	Carbon Monoxide Response	FDNY, OEM
	No Heat/Hot Water	311, DOHMH, DoITT, HPD, NYCHA, OEM
	Frozen Hydrant	DEP, FDNY, OEM
Key Actions	The following represents the range of decisions and actions city agencies may initiate:	
	Action	Description
	Issue hazardous weather advisory	Identifies weather-related hazards and advises the public to stay off roads, use public transportation, and exercise caution while driving.
	Close schools or delay opening	Reduces number of children and parents using roadways.
	Suspend alternate side parking and/or meter rules	Reduces number of people moving vehicles due to parking rules.
	Begin towing operations	NYPD or entity designated by DOT may remove vehicles obstructing traffic or illegally parked.
	Activate Tow Truck Task Force	Coordinated towing of stuck ambulances, buses, and other vehicles.
	Declare DOT citywide snow emergency	Requires chains or snow tires for vehicles on snow emergency streets; prohibits parking/standing on snow emergency streets; may exclude specific streets designated as snow emergency streets.
	Issue DOHMH cold weather alert	Triggers increased outreach to vulnerable populations; issued automatically when overnight temperatures fall below 32°.
	Issue DSNY snow alert	DSNY operates normally and prepares for storm; issued when snow is predicted within 36-48 hours.
Issue weather emergency declaration	A mayoral weather emergency declaration may include any of the actions listed above necessary to protect public safety.	

*Plan
Activations*

- OEM activated the Winter Weather Emergency Plan six times during the reporting period of November 15, 2013 to November 14, 2014:

January 2, 2014*	January 6, 2014	January 23, 2014*	February 3, 2014*
February 12, 2014*	March 2, 2014		

* Snow event with snowfall equal to or in excess of six inches within a period of 24 hours; reportable in the 2014 Interagency Snow Preparedness and Response Report (Local Law 26/2011)

This document summarizes the weather emergency protocols that are contained within the NYC Coastal Storm Plan (CSP).

<i>Trigger</i>	<ul style="list-style-type: none"> National Weather Service forecasts a coastal storm making landfall north of North Carolina with potential impacts to New York City. 	
<i>Coastal Storm Steering Committee</i>	<ul style="list-style-type: none"> 311 Amtrak American Red Cross Community Affairs Unit Community Recovery Directors Con Edison CUNY Department of Buildings Department of Citywide Administrative Services Department of Corrections Department of Design and Construction Department of Education Department of Environmental Protection Department for the Aging Department of Health and Mental Hygiene Department of Homeless Services Department of Housing Preservation and Development Department of Human Resources Administration Department of Information Technology and Telecommunications Department of Parks and Recreation Department of Sanitation Department of Small Business Services Department of Transportation Federal Emergency Management Agency Greater New York Hospital Association Greater New York Health Care Facilities Association 	<ul style="list-style-type: none"> Health and Hospitals Corporation Mayor's Office Mayor's Office of Contract Services Metropolitan Transportation Authority National Grid National Weather Service New Jersey Transit New York City Fire Department New York City Housing Authority New York City Law Department New York City Office of Citywide Event Coordination and Management New York City Police Department New York Racing Association New York State Department of Health New York State Department of Transportation New York State Office of Emergency Management Office of the Chief Medical Examiner Office of Emergency Management Office of Management and Budget Port Authority of New York and New Jersey Public Service Enterprise Group Incorporated (PSEG) – Long Island Regional Emergency Medical Services Council Taxi and Limousine Commission United States Coast Guard Verizon

<i>Operational Strategies</i>	The following functional plans comprise the NYC Coastal Storm Plan. Each document is a stand-alone plan implemented by agencies and coordinated by OEM:	
	Coastal Storm Functional Plan	Description
	Decision Making Playbook	Provides a summary view of the plan and includes a series of timelines designed to guide decision-makers through the actions needed to activate and implement the numerous operations that constitute the citywide response.
	Advance Warning System	Pushes targeted emergency information to individuals with special needs during emergencies.
	Evacuation	Describes the systems, processes, and procedures to evacuate the general at-risk population from areas of the City that will be inundated with storm surge to safer areas prior to the predicted zero hour.
	Healthcare Facility Evacuation	Describes a coordinated operation to evacuate at-risk healthcare facilities in evacuation zones to like facilities on higher ground.
	Sheltering	Explains the procedures to activate and manage a disaster sheltering system for New Yorkers and visitors who are unable to find alternative shelter outside of storm surge areas.
	Logistics	Outlines the basic activities and timelines needed to effectively implement shelter system support and post-storm commodities distribution operations.
	Public Information	Outlines steps for City public information efforts before, during, and after a coastal storm.
	Recovery and Restoration	Addresses post-storm recovery and restoration activities including: declaration and reimbursement management, initial response and re-entry, damage and needs assessment, essential services restoration, reconstruction coordination, human services.
Debris Management Plan	Provides organizational structure, guidance and standardized procedures for debris clearance, removal, and disposal.	

Key Actions	The following represents the range of decisions and actions city agencies may initiate:	
	Action	Description
	Issue recommended evacuation	Issued when risks do not warrant an evacuation order; may target specific areas, facilities, or populations.
	Issue ordered evacuation	Issued under authority of executive law; empowers the mayor to make emergency orders to protect life and property.
	Suspend alternate side parking and/or meter rules	Reduces the number of people moving vehicles due to parking rules.
	Issue recommended/ordered cessation of non-essential services	Allows citywide resources to be directed toward response operations, especially in specific areas or facilities.
	Open shelters	Allows voluntary evacuation as a response to a localized threat or supports a mandatory evacuation.
Issue weather emergency declaration	A mayoral weather emergency declaration may include any of the actions listed above necessary to protect public safety.	
Plan Activations	<ul style="list-style-type: none"> OEM activated the Coastal Storm Plan zero times during the reporting period of November 15, 2013 to November 14, 2014. 	

This document summarizes the weather emergency protocols that are contained within the NYC Heat Emergency Plan (HEP).

<p><i>Triggers</i></p>	<p>Heat Emergency Plan Activation Criteria:</p> <ul style="list-style-type: none"> • Predicted Heat Index of 100° F or higher for one day or more • Predicted Heat Index of 95° F or higher for two consecutive days or more <p>In addition to <i>Heat Emergency Plan</i> activation criteria, the following triggers for excessive heat considerations include:</p> <ul style="list-style-type: none"> • Predicted Heat Index of 105° F for any duration, or • Predicted Heat Index of 95° F for four days or more 	
<p><i>Heat Emergency Steering Committee</i></p>	<ul style="list-style-type: none"> • 311 • American Red Cross • Community Affairs Unit • Con Edison • Department of Buildings • Department of Citywide Administrative Services • Department of Corrections • Department of Design and Construction • Department of Environmental Protection • Department of Youth and Community Development • Department for the Aging • Department of Education • Department of Health and Mental Hygiene • Department of Homeless Services • Department of Housing Preservation and Development • Department of Human Resources Administration • Department of Information Technology and Telecommunications • Department of Parks and Recreation • Department of Sanitation • Department of Transportation • Deputy Mayor’s Office 	<ul style="list-style-type: none"> • Economic Development Corporation • Greater New York Hospital Association • Health and Hospitals Corporation • National Grid • Mayor’s Office for People with Disabilities • Metropolitan Transportation Authority • National Weather Service • New York 811 • New York City Fire Department • New York City Housing Authority • New York City Police Department • New York Power Authority • New York State Department of Health • New York State Office of Emergency Management • Office of the Chief Medical Examiner • Office of Citywide Event Coordination and Management • Office of Emergency Management • Port Authority of New York and New Jersey • Public Service Enterprise Group Incorporated (PSEG) – Long Island • Regional Emergency Medical Services Council • Salvation Army • Verizon

<i>Operational Strategies</i>	The following are HEP strategies implemented by agencies and coordinated by OEM:	
	Operational Strategy	Agencies
	Special Needs Advance Warning	ACS, ARC/GNY, CCNY, CCBQ, Con Ed, DFTA, DHS, DOE, DOE District 75, DOHMH, ESRD, HBCA, HHC, HRA, National Grid, MOPD, MTA, NYCHA, NYS DOH, NYS OMH, OPWDD, PSEG – LI, SA, VA
	Cooling Centers	311, ARC, Brooklyn Public Library, CERT, CUNY, DFTA, DOE, DoITT, DPR, HRA, MTA, NYCHA, NYPD, NY Public Library, Queens Library, SA
	Homeless Outreach	311, DHS, DPR, DSNY, MTA
	Excavation Safety Alert	Con Ed, DDC, DEP, DOT, DPR, National Grid, MTA, NY 811, PSEG – LI, Verizon
	Spray Cap Program	DEP, FDNY, NYPD
<i>Key Actions</i>	The following represents the range of decisions and actions city agencies may initiate:	
	Action	Description
	Activate Special Needs Advance Warning System	Provide advance information about forecasted weather, potential hazards of heat, health information, and the availability of resources such as cooling centers to NYC agencies and organizations whose clients consist of special needs populations.
	Open cooling centers	Protocol for opening free air-conditioned facilities (e.g., senior centers, libraries, community centers) to the public.
	Begin homeless outreach strategy	Increase outreach efforts and monitoring of homeless persons to determine need for further protection from heat exposure.
	Issue excavation safety alert	Provide guidance to contractors on enhanced protective measures to excavate safely around underground critical facilities.
	Implement spray cap program	Distribute fire hydrant spray caps to the public to provide relief from the heat and minimize impact to municipal water supply pressure.
	Issue heat-related information to the public	Communicate information about heat safety and power conservation tips to the public.
Issue weather emergency declaration	A mayoral weather emergency declaration may include any of the actions listed above necessary to protect public safety.	
<i>Plan Activations</i>	<ul style="list-style-type: none"> OEM did not activate the Heat Emergency Plan during the reporting period of November 15, 2013 to November 14, 2014. 	

This document summarizes the weather emergency protocols and procedures that are contained within the NYC Flash Flood Emergency Plan (FFEP).

Trigger	<ul style="list-style-type: none"> Rainfall rate of one inch per hour for the duration of 60 minutes or longer 				
Flash Flood Conference Call Agencies	<ul style="list-style-type: none"> 311 CAU City Hall Con Edison Department of Environmental Protection Department of Buildings Department of Information Technology and Telecommunications Department of Parks and Recreation Department of Sanitation Department of Transportation 		<ul style="list-style-type: none"> National Grid Metropolitan Transportation Authority National Weather Service New York City Fire Department New York City Police Department Office of Emergency Management Port Authority of New York and New Jersey Public Service Enterprise Group Incorporated (PSEG) – Long Island Verizon 		
Operational Strategies	The following are FFEP strategies implemented by agencies and coordinated by OEM:				
	Operational Strategy		Agencies		
	Targeted Cleaning and Maintenance		DEP, DSNY, DOT, MTA		
	Monitoring and Response		DEP, FDNY, NYPD, DOT, OEM		
Recovery Assistance		ARC, CAU, DEP, DOHMH, DHS, HRA, DoITT, OEM			
Key Actions	The following represents the range of decisions and actions city agencies may initiate:				
	Action		Description		
	Commence targeted cleaning and maintenance operations		City agencies deploy personnel to designated recurring flooding locations to clear streets and catch basins of debris.		
	Monitor recurring flood locations		City agencies and volunteers provide targeted monitoring of recurring flood locations to improve response during a flood event and to help direct recovery efforts.		
	Begin dewatering operations		FDNY provides dewatering equipment and personnel to support flood response at critical streets and intersections.		
	Provide recovery assistance		City agencies provide services and distribute appropriate recovery resources to affected residents through reception centers or Disaster Assistance Service Centers (DASC).		
Issue weather emergency declaration		A mayoral weather emergency declaration may include any of the actions listed above necessary to protect public safety.			
Plan Activations	<ul style="list-style-type: none"> OEM activated the Flash Flood Emergency Plan 13 times during the reporting period of November 15, 2013 to November 14, 2014 				
	January 10, 2014	April 29, 2014	May 11, 2014	May 15, 2014	June 3, 2014
July 2, 2014	July 13, 2014	August 11, 2014	August 31, 2014		

