

<p>Summary</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>Plan Activation Process</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 existing contracts or identify new sources that can provide appropriate resources. When a weather emergency exhausts New York City’s response resources, OEM 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>Activation Levels</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"> • Conducted an interagency after-action review following Hurricane Sandy to identify needed improvements to the Coastal Storm Plan <ul style="list-style-type: none"> – Develop 14 new CSP Playbooks: <ol style="list-style-type: none"> 1. Debris Management Playbook 2. Community Recovery Director Playbook 3. Donations and Volunteer Management Playbook 4. Weather Emergency Traffic Management Plan 5. Generator and Dewatering Task Force Playbook 6. Weather Emergency Fuel Operations Playbook 7. Business Recovery Playbook 8. Support to Residents in Their Homes Playbook 9. Coastal Storm Plan Emergency Sheltering Playbook 10. Special Medical Needs Shelter Playbook 11. Food and Water Distribution Playbook 12. Food Access Playbook 13. Benefit Waiver/Extension Request Playbook 14. Restoration Centers Playbook – The Coastal Storm Plan was updated to include new evacuation zones • Developed Snow Labor Staffing Protocol by working with DCAS and Citywide Logistics Committee agencies to identify City personnel in Laborer and Custodial titles who may be asked to support citywide snow removal efforts, should additional support be requested by DSNY during a snow emergency 	

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

<p>Triggers</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>Winter Weather Emergency Steering Committee</p>	<ul style="list-style-type: none"> • 311 • American Red Cross • 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 	<ul style="list-style-type: none"> • Greater New York Hospital Association • Health and Hospitals Corporation • PSE&G • Metropolitan Transportation Authority • National Weather Service • New York City Fire Department • New York City Housing Authority • New York City Police Department • New York State Dept 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 • Regional Emergency Medical Services Council • SCOUT • United States Coast Guard • Verizon 												
<p>Operational Strategies</p>	<p>The following are WWEP strategies implemented by agencies and coordinated by OEM:</p> <table border="1"> <thead> <tr> <th>Operational Strategy</th> <th>Agencies</th> </tr> </thead> <tbody> <tr> <td>Cold Weather Alert</td> <td>DHS, DOHMH, FDNY-EMS, MTA, NYPD, OEM, Port Authority</td> </tr> <tr> <td>Plowing and Spreading</td> <td>DOT, DSNY, OEM</td> </tr> <tr> <td>Winter Weather Towing</td> <td>DOT, DSNY, FDNY, MTA, NYPD, OEM</td> </tr> <tr> <td>Carbon Monoxide Response</td> <td>FDNY, OEM</td> </tr> <tr> <td>No Heat/Hot Water</td> <td>311, DOHMH, DoITT, HPD, NYCHA, OEM</td> </tr> </tbody> </table>		Operational Strategy	Agencies	Cold Weather Alert	DHS, DOHMH, FDNY-EMS, MTA, NYPD, OEM, Port Authority	Plowing and Spreading	DOT, DSNY, OEM	Winter Weather Towing	DOT, DSNY, FDNY, MTA, NYPD, OEM	Carbon Monoxide Response	FDNY, OEM	No Heat/Hot Water	311, DOHMH, DoITT, HPD, NYCHA, OEM
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Carbon Monoxide Response	FDNY, OEM													
No Heat/Hot Water	311, DOHMH, DoITT, HPD, NYCHA, OEM													

	Frozen Hydrant	DEP, FDNY, OEM
<i>Key Actions</i>	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.
<i>Plan Activations</i>	<ul style="list-style-type: none"> OEM activated the Winter Weather Emergency Plan one time during the reporting period of November 15, 2012 to November 14, 2013: <i>February 8, 2013</i> 	

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 CECM Community Affairs Unit 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 Transportation Federal Emergency Management Agency Greater New York Hospital Association Health and Hospitals Corporation Mayor's Office of Contract Services 	<ul style="list-style-type: none"> Mayor's Office of Operations Metropolitan Transportation Authority PSE&G National Weather Service New Jersey Transit New York City Fire Department New York City Fire Department Emergency Medical Service New York City Housing Authority New York City Law Department 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 Regional Emergency Medical Services Council Taxi and Limousine Commission US Army Corps of Engineers 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, 2012 to November 14, 2013. The Hurricane Sandy plan activation was accounted for in the previous year's report. 	

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

Triggers	<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 days or more 													
Heat Emergency Steering Committee	<ul style="list-style-type: none"> • 311 • American Red Cross • CECM • Community Affairs Unit • Con Edison • Department of Buildings • Department of Citywide Administrative Services • Department of Design and Construction • Department of Environmental Protection • 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 	<ul style="list-style-type: none"> • Department of Transportation • Economic Development Corporation • Greater New York Hospital Association • Health and Hospitals Corporation • PSE&G • Mayor’s Office of Operations • 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 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 • Regional Emergency Medical Services Council • Salvation Army • Verizon 												
Operational Strategies	<p>The following are HEP strategies implemented by agencies and coordinated by OEM:</p> <table border="1"> <thead> <tr> <th>Operational Strategy</th> <th>Agencies</th> </tr> </thead> <tbody> <tr> <td>Special Needs Advance Warning</td> <td>ACS, ARC/GNY, CCNY, CCBQ, Con Ed, DFTA, DHS, DOE, DOHMH, ESRD, HBCA, HHC, HRA, LIPA/National Grid, MOPD, MTA, NYCHA, NYS DOH, NYS OMH, OPWDD, SA, VA</td> </tr> <tr> <td>Cooling Centers</td> <td>311, ARC, Brooklyn Public Library, CERT, CUNY, DFTA, DOE, DoITT, DPR, HRA, MTA, NYCHA, NYPD, NY Public Library, Queens Library, SA</td> </tr> <tr> <td>Homeless Outreach</td> <td>311, DHS, DPR, DSNY, MTA</td> </tr> <tr> <td>Excavation Safety Alert</td> <td>Con Ed, DDC, DEP, DoITT, DOT, DPR, LIPA/National Grid, MTA, NY 811, Verizon</td> </tr> <tr> <td>Spray Cap Program</td> <td>DEP, FDNY, NYPD</td> </tr> </tbody> </table>		Operational Strategy	Agencies	Special Needs Advance Warning	ACS, ARC/GNY, CCNY, CCBQ, Con Ed, DFTA, DHS, DOE, DOHMH, ESRD, HBCA, HHC, HRA, LIPA/National Grid, MOPD, MTA, NYCHA, NYS DOH, NYS OMH, OPWDD, 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, DoITT, DOT, DPR, LIPA/National Grid, MTA, NY 811, Verizon	Spray Cap Program	DEP, FDNY, NYPD
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Excavation Safety Alert	Con Ed, DDC, DEP, DoITT, DOT, DPR, LIPA/National Grid, MTA, NY 811, Verizon													
Spray Cap Program	DEP, FDNY, NYPD													

Key Actions	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.	
Plan Activations	<ul style="list-style-type: none"> OEM activated the Heat Emergency Plan three times during the reporting period of November 15, 2012 to November 14, 2013: <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <i>June 24, 2013</i> <i>July 5, 2013</i> <i>July 14, 2013</i> </div> 	

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 Emergency Steering Committee	<ul style="list-style-type: none"> 311 Con Edison Department of Environmental Protection Department of Buildings Department of Design and Construction Department of Information Technology and Telecommunications Department of Parks and Recreation Department of Sanitation Department of Transportation 		<ul style="list-style-type: none"> PSE&G 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 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																		
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, 2012 to November 14, 2013: <table border="0"> <tr> <td>December 26, 2012</td> <td>January 29, 2013</td> <td>May 22, 2013</td> <td>June 2, 2013</td> <td>June 6, 2013</td> </tr> <tr> <td>June 10, 2013</td> <td>June 12, 2013</td> <td>June 26, 2013</td> <td>July 1, 2013</td> <td>July 10, 2013</td> </tr> <tr> <td>August 8, 2013</td> <td>August 13, 2013</td> <td>August 30, 2013</td> <td></td> <td></td> </tr> </table>					December 26, 2012	January 29, 2013	May 22, 2013	June 2, 2013	June 6, 2013	June 10, 2013	June 12, 2013	June 26, 2013	July 1, 2013	July 10, 2013	August 8, 2013	August 13, 2013	August 30, 2013		
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