Summary	 The New York City Emergency Management Department (NYCEM) 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 <i>Winter Weather Emergency Plan, Coastal Storm Plan, Heat Emergency Plan,</i> and <i>Flash Flood Emergency Plan.</i> Each plan: 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 				
Plan Activation Process	 NYCEM 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, NYCEM convenes interagency steering committee conference calls to coordinate preparation for the event and activates relevant plans and operations. NYCEM activates the Emergency Operations Center (EOC), when necessary, to prepare for and respond to weather emergencies. NYCEM provides public messaging through Notify NYC, NYCEM's website, and the NYC Severe Weather website, as well as social media, emails, and calls to elected officials, private and nonprofit partners, and other means. When a weather emergency exhausts New York City's response resources, NYCEM 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, NYCEM may concurrently activate additional all-hazards and recovery 				
			nd interagency steering committee discussion, NYCEM may convene of the following levels:		
	Level	Coordination Center	Agencies		
	1	EOC (full)	NYCEM personnel, all interagency steering committee agencies, and additional subject matter experts and partners as needed.		
Activation Levels	2	EOC (partial)	NYCEM personnel and a subset of interagency steering committee agencies.		
	3	Situation Room	NYCEM personnel and key interagency steering committee agencies.		
	4	Watch CommandThe City's EOC is always, at a minimum, at Level 4 activation. In modified Level 4 activations, EOC Team staff and agency representatives serve as an extension of Watch Command as needed.			

	If resources are required beyond City assets and procurement, NYCEM will request assistance from NYS OEM through the following options (in order):			
	Mutual Aid Options	Description		
Mutual Aid Assistance	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, NYCEM 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 member states.		

This document Emergency Pla	summarizes the weather emergency protocols that ar <i>n</i> (WWEP).	e contained within the NYC Winter Weather		
Triggers	 Snowfall exceeding three 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 			
Winter Weather Emergency Steering Committee	 311 American Red Cross Amtrak City Hall Community Affairs Unit Con Edison Department for the Aging Department of Buildings Department of Citywide Administrative Services Department of Education Department of Environmental Protection Department of Health and Mental Hygiene Department of Information Technology and Telecommunications Department of Parks and Recreation 	 New Jersey Transit New York City Emergency Management Department 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 Service New York City Test & Trace Corps New York National Guard New York State Unified Court System New York State Department of Health New York State Oppartment of Transportation New York State Office of Emergency Management Office of the Chief Medical Examiner Office of Labor Relations 		
	Department of SanitationDepartment of Social Services	Office of Management and Budget		

	 Federal Emerge Greater New Yo Mayor's Office of Mayor's Office of Mayor's Office of Mayor's Office of Mayor's Public E NYC Health + He 	lopment Corporation ncy Management Agency rk Hospital Association of Climate Resiliency of Contract Services or People with Disabilities of Housing Recovery Operation Engagement Unit ospitals ansportation Authority	 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 Transportation Operations Coordination Committee (TRANSCOM) United States Coast Guard Vaccine Command Center Verizon Voluntary Organizations Active in Disaster (VOAD) 	
	The following are W	WEP strategies implemented	by agencies and coordinated by NYCEM:	
	Objective	Operational Strategy	Agencies	
	Provide Hazard Awareness and	Issue Alerts and Declarations	DCAS, DOE, DOHMH, DSNY, DOT, FDNY, LAW, Mayor's Office, NYCEM, NYPD, OLR	
	Disseminate Public Messaging	Disseminate Public Information	311, DOITT, DSNY, Mayor's Office, NYCEM, Steering Committee agencies	
		Transportation Network Condition Assessment	311, DOT, DSNY, FDNY, NYCEM, TRANSCOM	
	Reduce Hazards on Roadways and	Street and Facility Clearing	311, DCAS, DEP, DOT, DPR, DSNY, MTA, NYCEM, PANYNJ	
Operational Strategies	Transportation Systems	Winter Weather Towing	DCAS, DOT, DSNY, FDNY, MTA, NYCEM, NYPD	
	Gystems	Transportation Network Operations and Suspensions	DOT, FAA, MTA, NYPD, NYS DOT, PANYNJ	
	Reduce Building Infrastructure and	No Heat/No Hot Water	311, CON ED, DOHMH, HPD, NATIONAL GRID, NYCHA, NYCEM	
	Utility Hazards	Respond to Electric Utility Issues	CON ED, PSEG-Long Island	
	Monitor and Support	Situational Awareness and Resource Escalation	ARC, DOE, HPD, MTA, NYCEM, Advance Warning System agencies	
	Vulnerable Populations	Homeless Outreach	311, DPR, DSNY, DSS, FDNY, MTA, NYPD, PANYNJ	

	The following represents the range of decisions a	and actions City agencies may initiate.	
	Action	Description	
	Issue Travel Advisory and Hazardous Travel Advisory	Increase hazard awareness for the public and diminish numbers of vehicles on roadways.	
	Close schools or reduced hours	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.	
Koy Actions	Begin towing operations	NYPD, DSNY, or entity designated by DOT may remove vehicles obstructing traffic or illegally parked.	
Key Actions	Activate Tow Truck Task Force	Coordinated towing of stuck ambulances, buses, and other vehicles.	
	Issue Cold Weather Alert	Triggers increased outreach to vulnerable populations; issued automatically when overnight temperatures are forecast to fall below 32°F.	
	Issue DSNY Snow Alert	Triggers mobilization of DSNY resources and activation of PlowNYC link on the NYC Severe Weather Website; issued when snow is predicted within 24-48 hours. Open Street partners will be notified if road treatment is needed and Open Restaurants partners will be asked to demobilize if weather conditions is extreme.	
	Issue weather emergency declaration	A mayoral weather emergency declaration may include any of the actions listed above necessary to protect public safety.	
Plan	• NYCEM activated the <i>Winter Weather Emergency</i> November 15, 2020 to November 14, 2021:	<i>Plan</i> four times during the reporting period of	
Plan Activations	December 14, 2020 January 28, 2021	February 6, 2021 February 17, 2021	

Trigger	National Weather Service forecasts a coastal storm making landfall north of North Carolina with potential impacts to New York City.			
Coastal Storm Steering Committee	 311 3PL Administration for Children's Services Amtrak American Red Cross City Hall Community Affairs Unit Con Edison CUNY Cyber Command Cybersecurity and Infrastructure Security Agency Department of Buildings Department of Citywide Administrative Services Department of Corrections Department of Education Department of Education Department of Finance/Sheriff Department of Health and Mental Hygiene Department of Housing Preservation and Development Department of Small Business Services Department of Small Business Services Department of Small Business Services Department of Transportation Economic Development Corporation Federal Emergency Management Agency Greater New York Health Care Facilities Association Mayor's Office of Climate Resiliency 	 National Grid National Parks Service National Weather Service New Jersey Transit New York City Emergency Management Department 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 Office of Labor Relations New York City Police Department New York City Police Department New York City Police Department New York City Test & Trace Corps New York State Courts New York State Department of Health New York State Department of Health New York State Division of Homeland Security & Emergency Services NYC Health + Hospitals NYC Service 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 Transportation Operations Coordinating Committee (TRANSCOM) United States Coast Guard U.S. Department of Health and Human Services 		

	 Mayor's Office of Environ Remediation Mayor's Office of Housin Operations Mayor's Office of Immige Mayor's Office of Interge Mayor's Office of Opera Mayor's Office for Peop Mayor's Public Engager Metropolitan Transporta Department 	ng Recovery grant Affairs overnmental Affairs tions le with Disabilities nent Unit ation Authority	Voluntary Organizations Active in Disaster (VOAD)	
		planning documents a	by the following strategic, operational, and re stand-alone documents implemented by	
	Coastal Storm Functional Plan		Description	
	Coastal Storm Plan (CSP)	The Coastal Storm Plan is a companion document to the Coastal Storm Activation Plan (CSAP). The CSP provides a high-level, citywide overview of response, relief, and recovery operations during a coastal storm. Specifically, it defines authorities, timelines, and procedures for communication, coordination, decision-making, and operations.		
	Coastal Storm Activation Playbook (CSAP)	sheets, which are outli Quick sheets include ta	citywide response. The CSAP consists of quick nes of operational strategies used for reference. ask lists, organization charts, conference call forms, shboards, incident data reports, incident timelines, consibilities.	
Operational Strategies			gency information to organizations that serve people hers with access and functional needs during	
	Evacuation	Describes the systems, processes, and procedures to evacuate at-risk population from areas of the City that may be inundated with storm surge to safer areas prior to the predicted Zero hour.		
	Healthcare Facility Evacuation Center Manual	Describes a coordinated operation to evacuate at-risk healthcare facilities in evacuation zones to like facilities on higher ground.		
			res to activate and manage a disaster sheltering rs and visitors unable to find alternative shelter e areas.	
	Transportation Branch Manual	Describes coordinated transport missions.	d allocation of transportation resources for discrete	
	Logistics*		vities and timelines needed to effectively implement t and post-storm commodities distribution operations.	

Public Information* Recovery Playbook Debris Management* ns are not limited to Coastal Sto	Outlines steps for City public information efforts before, during, and after a coastal storm.Outlines the phases of recovery and how the City supports them through various task forces and plans.Provides organizational structure, guidance and standardized procedures for debris clearance, removal, storage, and disposal.		
Debris Management*	various task forces and plans. Provides organizational structure, guidance and standardized procedures		
ns are not limited to Coastal Sto			
	orm activations.		
The following represents th	e 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 spec 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 declarationA mayoral weather emergency declaration may include any of the listed above necessary to protect public safety.			
• NYCEM activated the Coa to November 14, 2021.	stal Storm Plan two times during the reporting period of November 15, 2020		
August 18, 2021 September 1, 2021			
	ActionIssue recommended evacuationIssue ordered evacuationIssue ordered evacuationSuspend alternate side parking and/or meter rulesIssue recommended/ ordered cessation of non- 		

	Heat Emergency Plan Activation Criteria:	Heat Emergency Plan Activation Criteria:				
	 Predicted Heat Index of 100°F or higher for one day or more 					
	• Predicted Heat Index of 95°F or higher for t					
Triggers		criteria, triggers for excessive heat consideration				
	include:	tion or				
	 Predicted Heat Index of 105°F for any dura Predicted Heat Index of 05°F for four days 					
	Predicted Heat Index of 95°F for four days					
	• 311	Mayor's Office of Climate Resiliency				
	American Red Cross	Mayor's Office of Immigrant Affairs				
	Brooklyn Public Library	Mayor's Office of Intergovernmental Affair				
	Community Affairs Unit	Metropolitan Transportation Authority				
	Con Edison	National Weather Service				
	Department of Buildings	New York 811				
	Department of Citywide Administrative Services	New York City Emergency Management Department				
	Department of Corrections	New York City Fire Department				
	Department of Design and Construction	New York City Housing Authority				
	Department of Environmental Protection	New York City Police Department				
	Department of Youth and Community	New York City Office of Labor Relations				
	Development	New York City Test & Trace Corps				
Heat	Department for the Aging	New York Public Library				
mergency	Department of Education	New York State Department of Health				
Steering	Department of Health and Mental Hygiene	New York State Office of Emergency				
Committee	Department of Housing Preservation and Development	Management				
	 Department of Information Technology and 	Office of the Chief Medical Examiner				
	Telecommunications	Office of Citywide Event Coordination and Management				
	Department of Parks and Recreation	Port Authority of New York and New Jerse				
	Department of Sanitation	Public Service Enterprise Group				
	Department of Social Services	Incorporated (PSEG) – Long Island				
	Department of Transportation	Queens Public Library				
	Economic Development Corporation	Regional Emergency Medical Services				
	Greater New York Hospital Association	Council				
	NYC Health + Hospitals	Salvation Army				
	Mayor's Office for People with Disabilities	Vaccine Command Center				
	Mayor's Office of Housing Recovery Operation	Verizon Voluntary Organizations Active in Disaster				
	Operation	 Voluntary Organizations Active in Disaster (VOAD) 				

	The following are	HEP strategies implem	ented by agencies and coordinated by NYCEM:			
	Objectives	Operational Strategy	Agencies			
	Provide Hazard Awareness and Disseminate Public Messaging	Disseminate Public Information	311, DOHMH, FDNY, NYCEM			
Operational Strategies	Minimize Impacts	Activate the Advance Warning System	ACS, ARC, Brooklyn Public Library, CCBQ, CCNY, Con Ed, DFTA, DOC, DOE, DOHMH, DSS, DPR, DYCD, ESRD, God's Love We Deliver, HBCA, H+H, Mayor's Office, MOPD, MTA, NYCEM, NYCHA, NY Public Library, NYS DOH, NYS DHSES, NYS OMH, NYS OPWDD, PSEG – LI, Queens Public Library, SA, VA, Visiting Nurse Service of NY			
	to Public Health	Activate Cooling Centers	311, Brooklyn Public Library, DFTA, DoITT, DPR, DYCD, NYCEM, NYCHA, NYPD, NY Public Library, Queens Public Library, SA			
		Conduct Homeless Outreach	311, DSS, DPR, DSNY, MTA, NYCEM			
	Minimize Impacts to Infrastructure	Relieve Stress on Electric System	Con Ed, DCAS, NYCEM, PSEG-LI			
		Issue Excavation Safety Alert	Con Ed, DDC, DEP, DOT, DPR, MTA, NYCEM, NY 811, PSEG-LI, Verizon			
		Distribute Spray Caps	DEP, FDNY, NYCEM, NYPD			
	The following represents the range of decisions and actions City agencies may initiate:					
	Action	Description				
	Disseminate public information	Communicate information about heat safety and power conservation tips to the public.				
	Activate the Advance Warning System	Disseminate information about forecast, potential hazards and available resources such as cooling centers to service providers who work with individuals with access and functional needs.				
Key Actions	Activate cooling centers	Open free air-conditioned facilities (e.g., senior centers, libraries, community centers) to the public to assist individuals without access to air-conditioning.				
	Conduct homeless outreach	Increase monitoring and outreach to the homeless population to determine need for further protection from heat exposure.				
	Relieve stress on electric system	Identify strategies for reducing load on the electric system during heat emergencies, especially during peak load periods.				
	Issue excavation safety alert	Provide guidance to con to protect underground of	tractors on enhanced protective measures to excavate safely critical facilities.			
	Distribute spray caps program	Distribute fire hydrant sp minimize impact to fire h	bray caps to the public to provide relief from the heat and hydrant water pressure.			

Plan
Activations• NYCEM activated the Heat Emergency Plan six times during the reporting period of November 15,
2020 to November 14, 2021:June 26, 2021July 6, 2021July 14, 2021August 9, 2021August 24, 2021

Trigger	Rainfall rate of one inch per hour for the duration of 60 minutes or longer			
Flash Flood Conference Call Agencies	 311 CAU City Hall Department of Environmental Protection Department of Parks and Recreation Department of Sanitation Department of Transportation Mayor's Office of Citywide Event Coordination and Management Mayor's Office of Intergovernmental Affairs 		 Metropolitan Transportation Authority National Weather Service New York City Emergency Management Department New York City Fire Department New York City Housing Authority New York City Police Department New York State Office of Emergency Management New York State Department of Transportation Port Authority of New York and New Jersey 	
	The following are FFEP strategies im	plemented by	agencies and coordinated by NYCEM:	
Operational	Operational Strategy		Agencies	
Operational Strategies	Targeted Cleaning and Maintenance DEP, I		ΟΟΤ, ΜΤΑ	
	Monitoring and Response	DEP, FDNY, N	NYPD, DOT, NYCEM, NYS DOT	
	Recovery Assistance	ARC, CAU, DE	EP, DOHMH, DSS, DoITT, NYCEM	
	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.		
Key Actions	Monitor recurring flood locations	City agencies and volunteers provide targeted monitoring of recurring flood locations to improve response during a flood e and to help direct recovery efforts.		
Key Actions	Begin dewatering operations	FDNY provides dewatering equipment and personnel to a flood response at critical streets and intersections.		
	Provide recovery assistance	resources to	s provide services and distribute appropriate recovery affected residents through reception centers or stance Service Centers (DASCs).	
	Disseminate public information, including travel advisories	Increase hazard awareness to the public by communicating information about forecast, potential hazards, and flood safety.		

	Issue weather emergency	declaration	A mayoral weather emergency declaration may include any of the actions listed above necessary to protect public safety.		
	• NYCEM activated the <i>Flash Flood Emergency Plan</i> nineteen times during the reporting period of November 15, 2020 to November 14, 2021 (this plan is specific-agency actions and not EOC activations).				
	November 27, 2020 December 3		3, 2020	December 21, 2020	March 17, 2021
Plan Activations	June 3, 2021	June 8, 2021		June 30, 2021	July 7, 2021
Activations	July 11, 2021	July 15, 202	21	July 29, 2021	August 10, 2021
	August 17, 2021	August 27, 2	2021	August 30, 2021	September 22, 2021
	October 24, 2021	October 28,	2001	November 10, 2021	