

# PRE-SEASON HEAT EMERGENCY CALL

NYC Heat Emergency Steering Committee



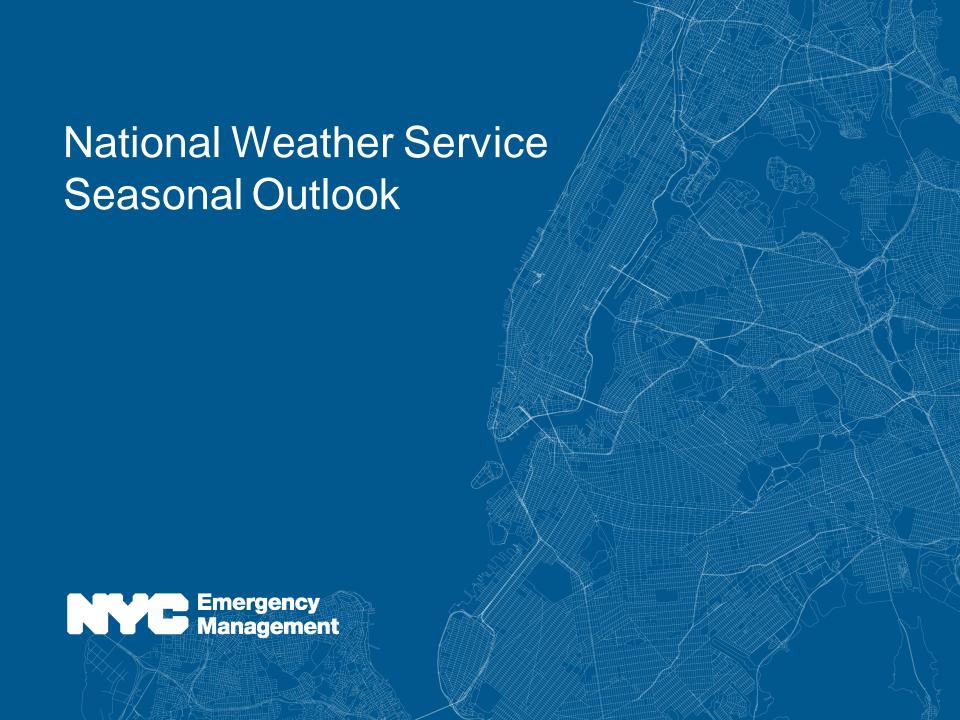
### **Agenda**

- Introductions & Roll-call
- Weekend Forecast (NWS)
- Seasonal Outlook (NWS)
- Heat-related Health Hazards (DOHMH)
- Electric Utility Preparedness (Con Ed and PSEG-LI)
- Heat Emergency Plan & COVID Adaptations Review (NYCEM & Agency Partners)
- Agency Report Outs











### **National Weather Service Presentation**





NYCEM Heat Steering Call
June 4th 2021

Nelson Vaz
NOAA/National Weather Service, New York, NY

### **National Weather Service**



http://www.weather.gov/nyo



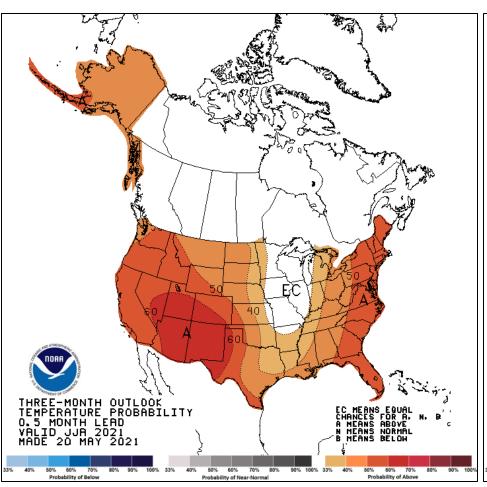


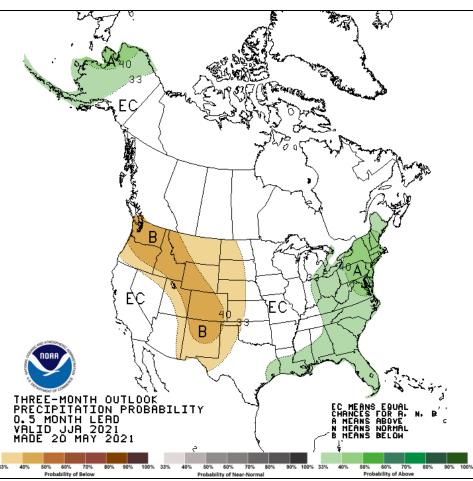




## Summer Temperature and Precipitation Outlook







50-60% chance of seeing above normal temperatures for the summer months.

40-50% of seeing above normal precipitation this summer



#### 90 Degree Day Information at Central Park (1869 to Present)

Last Updated: 5/9/21



Average Number of 90°F + Degree Days By Month								
	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Average	0	1	3	6	4	1	0.0	15

		Numbe	r of 90°F +	Degree D	ays By Moi	ntn		
Year	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
1999	0	0	6	18	3	0	0	27
2000	0	3	3	0	0	0	0	6
2001	0	3	2	2	8	0	0	15
2002	3	0	1	12	14	2	0	32
2003	0	0	4	2	2	0	0	8
2004	0	0	1	0	1	0	0	2
2005	0	0	4	8	9	2	0	23
2006	0	0	1	4	3	0	0	8
2007	0	2	2	2	4	0	0	10
2008	0	0	4	6	1	1	0	12
2009	2	0	0	0	5	0	0	7
2010	1	1	4	16	12	3	0	37
2011	0	0	3	14	3	0	0	20
2012	0	0	5	10	3	0	0	18
2013	0	2	3	10	1	1	0	17
2014	0	0	0	3	3	2	0	8
2015	0	0	1	5	8	6	0	20
2016	0	2	0	10	7	2	0	21
2017	0	3	3	5	1	1	0	13
2018	0	2	3	6	7	2	0	20
2019	0	0	1	10	3	0	1	15
2020	0	0	2	14	4	0	0	20

67% of the last 21 years has seen more than the average amount of 90°+ days (the average for the season is 15).

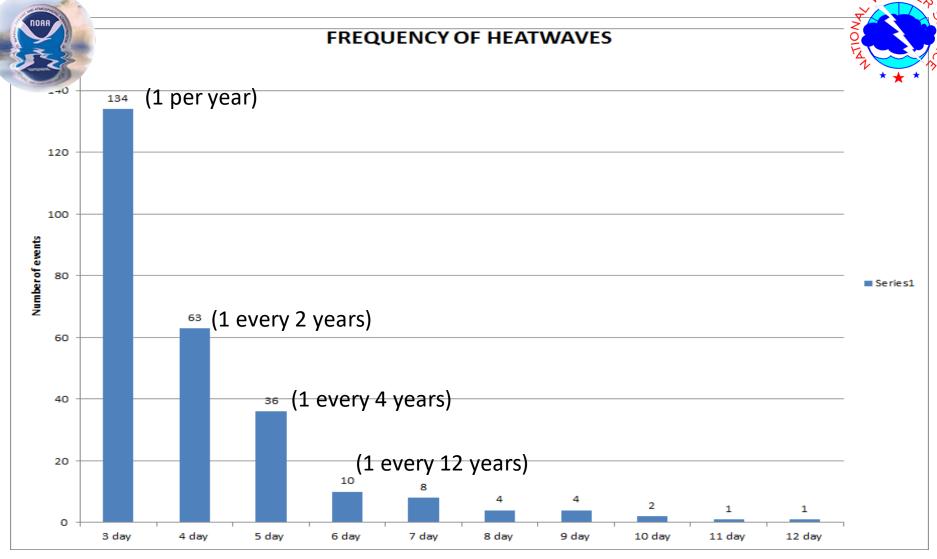
80% of the last 10 years has been above average for 90+ days



## Mean Number of Days Max T >= 90F 1991-2020 Normals



Station ID (Normals 1991-2020)	Mean # Days Tmax ≥ 90F
KBDR	6.7
KEWR	23.8
KISP	6.1
KJFK	8.4
KLGA	17.8
KNYC	13.1



- Heat wave defined as 3 days where high temperature >= 90°.
- Data uses Central Park from 1876-2011.
- 234 total heat waves (2 per year).
- Longest heat wave in NYC is 12 days.



### Longest Heat Waves - Consecutive 90 Degrees + Days (1869 to Present)

NEATHER SERVICE

A heat wave is defined as 3 or more consecutive 90 Degree + Days

Last Updated: 5/9/21

https://www.weather.gov/media/okx/Climate/CentralPark/HeatWaves.pdf

Days	Dates	Temperatures
12	August 24 - September 4, 1953	91,91,91,94,98,99,98,100,97,102,94,90
11	July 23 - August 2, 1999	92,97,97,93,96,97,93,92,90,98,90
10	July 7 - 16, 1993	98,100,101,102,97,94,94,91,90,90
10	August 4 - 13, 1896	90,94,92,97,95,98,94,96,93,90
	August 11 - 19, 2002	92,96,98,95,92,93,94,94,94
	July 13 - 21, 1977	93,92,96,98,97,100, 102,92,104
9	July 6 - 14, 1966	91,93,91,91,94,99,101,95
	July 5 - 13, 1944	93,94,91,94,92,91,93,93,91
	July 29 - August 5, 2002	96, 95, 95, 96, 97, 90, 92, 91
	August 2 - 9, 1980	91, 92, 91, 94, 93, 94, 96, 95
8	August 28 - September 4, 1973 98	98, 95, 98, 94, 95, 94, 96, 93
	August 10 - 17, 1944	97, 102, 97, 96, 95, 95, 96, 95
	June 26 - July 3, 1901	91,91,93,95,95,100,100,94



#### 100 Degree Day Information at Central Park (1869 to Present)

Last Updated: 5/9/21



#### 100 Degree Facts

\* Highest Ever Recorded: 106 on July 9, 1936

Most Days by Month: June 3 + July 42 + August 13 + September 2 = Total 60 days

Most in one year: 4 (1966 and 1953)

Most consecutive 100 degree days: 3 July 8-10, 1993 & August 26-28, 1948

Last time had 100 degree day in September: the 2nd in 1953 (102)

Last time had 100 degree day in August: the 9th in 2001 (103)

Last time had 100 degree day in July: the 18th in 2012 (100)

Last time had 100 degree day in June: the 27th in 1966 (101)

100 degree days before 1900: Sept 7, 1881 (101) and July 31, 1898 (100)

https://www.weather.gov/media/okx/Climate/CentralPark/100DegreeDays.pdf

All 100 Degree Days					
Year	Date / Temperature (°F)				
2012	Jul 18/ 100				
2011	Jul 22/ 104	Jul 23/ 100			
2010	Jul 6/ 103	Jul 7/ 100			
2001	Aug 9/ 103				
1999	July 5/ 101	July 6th / 101			
1995	July 15/ 102				
1993	July 8/ 100	July 9/ 101	July 10/ 102		
1991	July 20/ 100	July 21/ 102			
1980	July 20/ 101	July 21/ 102			



### **NWS Heat Forecast Products**



- Excessive Heat Outlook: Issued in the Hazardous Weather Outlook, highlighting potential for excessive heat criteria to be reached 3 to 5 days before an event.
- **Heat Advisory**: Heat Index is forecast to reach 95 to 99 F for at least 2 consecutive days or 100 to 104 F for any length of time.
- Excessive Heat Watch/Warning: Issued when heat index is forecast to reach or exceed 105°F for at least 2 consecutive hours.
  - Watch is issued 48 hours in advance.
  - Warning is issued 24-36 hours in advance.
  - Note an outlook is issued up to 7 days in advance (Hazardous Weather Outlook – HWO)



## **NWS Heat Forecast Products**



NY7072>075-176-178-290000-

/O.CON.KOKX.HT.Y.0004.000000T0000Z-200729T0000Z/
New York (Manhattan)-Bronx-Richmond (Staten Island)Kings (Brooklyn)-Northern Queens-Southern Queens636 PM EDT Tue Jul 28 2020

- ...HEAT ADVISORY REMAINS IN EFFECT UNTIL 8 PM EDT THIS EVENING...
- \* WHAT...Heat index values up to 99.
- \* WHERE...New York (Manhattan), Bronx, Southern Queens, Richmond (Staten Island), Kings (Brooklyn) and Northern Queens Counties.
- \* WHEN...Until 8 PM EDT this evening.
- \* IMPACTS...Hot temperatures and high humidity may cause heat illnesses to occur.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Heat Advisory is issued when the combination of heat and humidity is expected to make it feel like it is 95 to 99 degrees for two or more consecutive days, or 100 to 104 degrees for any length of time.

Seniors and those with chronic health problems or mental health conditions are at an increased risk. Homes without air conditioning can be much hotter than outdoor temperatures.

Use air conditioning to stay cool at home or go to a place that has air conditioning. Check on vulnerable friends, family members and neighbors.

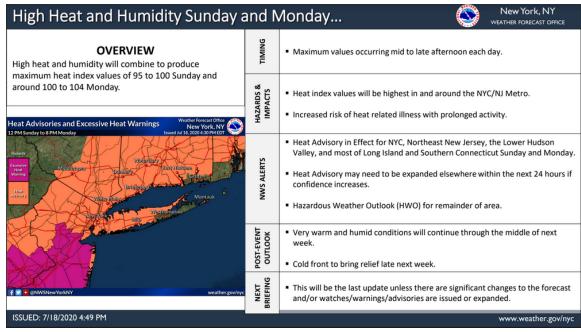
To reduce risk during outdoor work, the Occupational Safety and Health Administration recommends scheduling frequent rest breaks in shaded or air conditioned environments. Anyone overcome by heat should be moved to a cool and shaded location. Heat stroke is an emergency! In cases of heat stroke call 9 1 1.

Any changes to Precautionary/Preparedness info for this season? Cooling Centers Info?



One Pager Briefings for Advisory Level Heat Events

### **NWS NY Heat Decision Support**



New York, NY

WEATHER FORECAST OFFICE

#### Sunday - Maximum Heat Index Temperatures

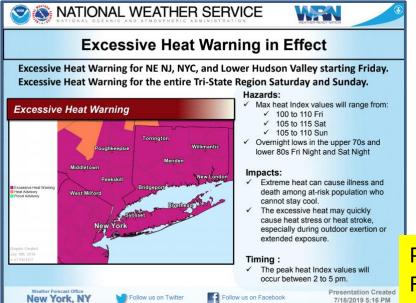


ISSUED: 7/18/2020 4:49 PM www.weather.gov/nyc



### **NWS NY Excessive Heat Decision Support**





NATIONAL WEATHER SERVICE

PPT Briefings
For Warning
Level Events



NATIONAL WEATHER SERVICE

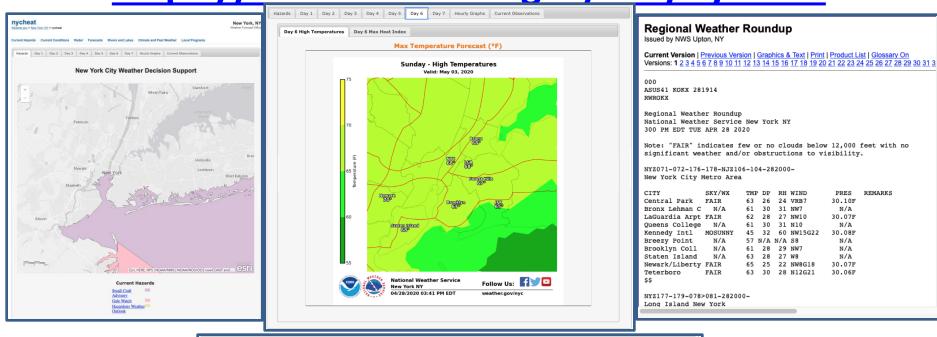


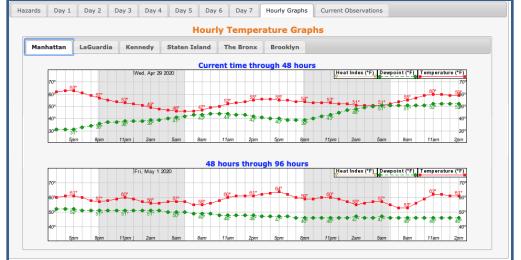


## **NWS NY NYCHeat Page**



https://www.weather.gov/okx/nycheat







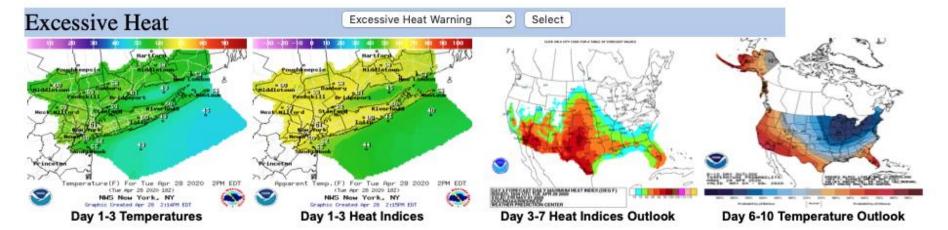
## **NWS NY Emergency Managers Page**



https://www.weather.gov/okx/emnew\_summer







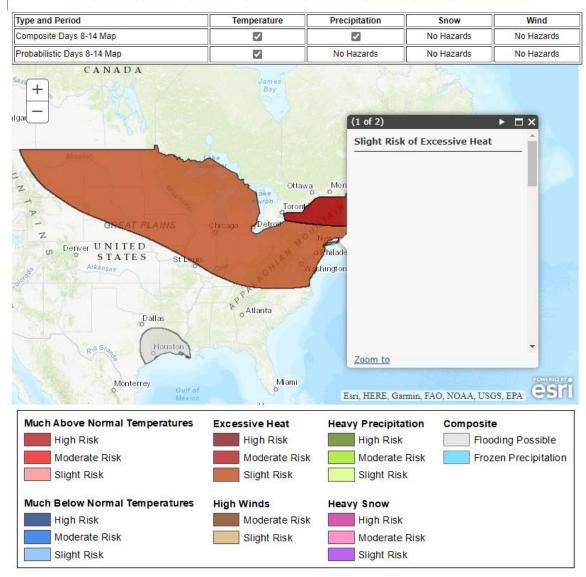


## **Long Range Excessive Heat Outlook**



https://www.cpc.ncep.noaa.gov/products/predictions/threats/threats.php







## **Day 3-7 Heat Index Outlook**



https://www.wpc.ncep.noaa.gov/heat\_index.shtml

#### MAXIMUM HEAT INDEX FORECASTS

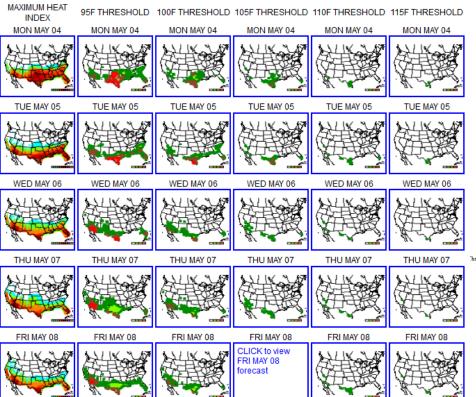
BACK TO THE MEAN, MINIMUM, MAXIMUM CHOICE PAGE

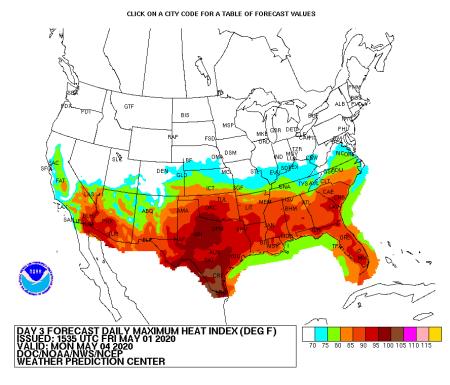
**About These Products** 

Text of MAXIMUM Heat Index Probability Forecasts for Eastern US

Text of MAXIMUM Heat Index Probability Forecasts for Western US

## CLICK ON MAPS FOR MAXIMUM HEAT INDEX AND PROBABILITY FORECASTS FROM FRI MAY 01 2020





#### MAXIMUM HEAT INDEX AND PROBABILITY FORECASTS AT NEW\_YORK\_CITY\_NY

The table below gives the MAXIMUM heat index forecast for days 3 through 7 at NEW\_YORK\_CITY\_NY.

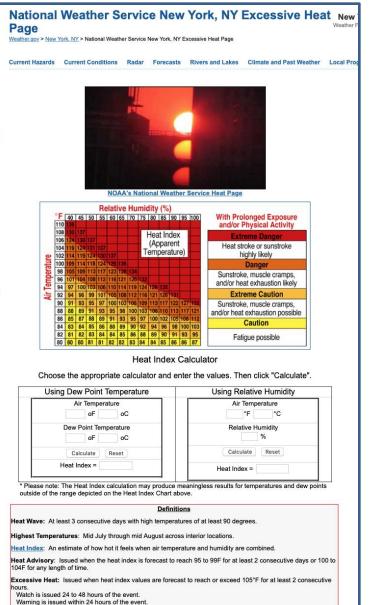
MAXIMUM HEAT INDEX PROBABILITY OF MAXIMUM HEAT INDEX EXCEEDING:	MON MAY 04 63 F	TUE MAY 05 59 F	WED MAY 06 54 F	THU MAY 07 58 F	FRI MAY 08 59 F
115 F	0 %	0 %	0 %	0 %	0 %
110 F	0 %	0 %	0 %	0 %	0 %
105 F	0 %	0 %	0 %	0 %	0 %
100 F	0 %	0 %	0 %	0 %	0 %
95 F	0 %	0 %	0 %	0 %	0 %
90 F	0 %	0 %	0 %	0 %	0 %
85 F	0 %	0 %	0 %	0 %	0 %
80 F	2 %	0 %	0 %	0 %	0 %



## **NWS NY Excessive Heat Page**



https://www.weather.gov/okx/excessiveheat



## CENTRAL PARK HEAT WAVE CLIMATOLOGY WEB PAGE

#### NWS Products for Heat Emergency Planning

Short Range Forecasts - National Weather Service - New York, NY

Excessive Heat Outlooks: Contained in the Hazardous Weather Outlook (HWO)

Days 2 to 7 Section, 3 to 5 days before the anticipated event:

Excessive Heat Watches: Issued as Non-Precip Watch (NPW) 24 to 48 hours before event.

Excessive Heat Warnings: Issued as Non-Precip Warning (NPW) within 24 hours of event.

Heat Advisories: Issued as Non-Precip Warning (NPW) within 24 hours of event.

3 Hour Heat Index (Apparent Temperature) Forecasts through Day 3 (Next 72 hours)

Hourly Observations (heat index values of at least 90 degrees will appear in remarks section).

#### Medium Range Forecasts - Weather Prediction Center's Outlooks

Days 3-7 Heat Index Forecasts for New York City

Daily Maximum Heat Index Forecasts: Chance of Heat Index Reaching 95, 100, and 105.

Daily Mean Heat Index Forecasts: Chance of Heat Index Reaching 85, 90, and 95 degrees.

Daily Minimum Heat Index Forecasts: Chance of Heat Index Reaching 75, 80, and 85 degrees

Long Range Forecasts - Climate Prediction Center's National Outlooks

Seasonal Temperature & Precipitation Outlooks for NYC

National Outlook				
National Outlooks				
Monthly Temperature & Precipitation				
8-14 Day Temperature				
8-14 Day Precipitation				

Central Park Chinatology						
Daily Normal Max T	Daily Record Max T	Heatwaves	90 Degree + Days by Month/Year	90 Degree+ Day Facts	100+ Days by Month/Year	
СРК	<u>CPK</u>	<u>CPK</u>	<u>CPK</u>	<u>CPK</u>	<u>CPK</u>	

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#### Heat Wave Safety Tips

- Slow down. Strenuous activities should be reduced, eliminated, or rescheduled to the coolest time of the day. Individuals at risk should stay in the coolest available place, not necessarily indoors.
- Dress for summer. Lightweight, light-colored clothing reflects heat and sunlight, and helps your body maintain normal temperatures.
- Foods (like proteins) that increase metabolic heat production also increase water loss.
- Proots (like proteints) that increase metabolic reat production also increase water loss.
   Drink plenty of water or non-alcoholic fluids. Your body needs water to keep cool. Drink plenty of fluids even if you don't feel thirsty.
- Do not drink alcoholic beverages.
- Spend more time in air-conditioned places. Air conditioning in homes and other buildings markedly reduces danger from the heat. If you cannot afford an air conditioner, spending some time each day (during hot weather) in an air conditioned environment affords some protection.
- Never leave persons, especially children, and pets in a closed, parked vehicle
- Don't get too much sun. Sunburn makes the job of heat dissipation that much more difficult.

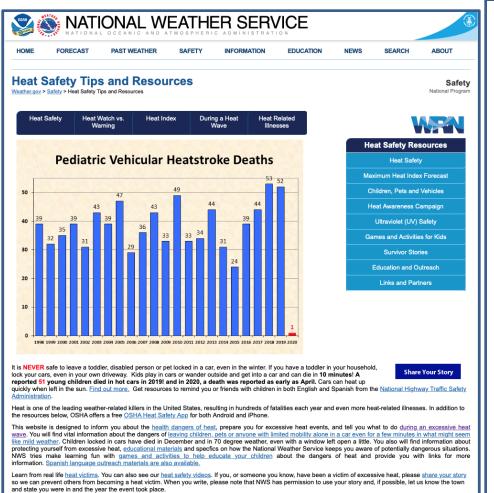


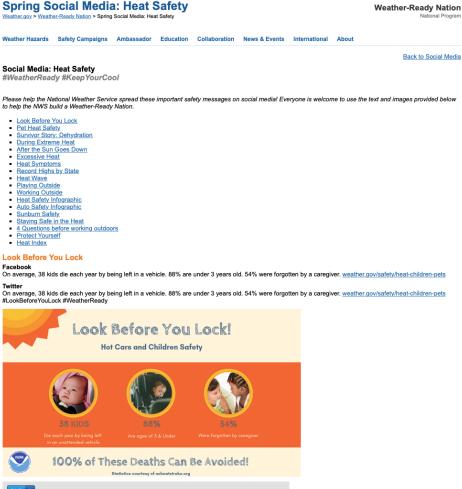
## **NWS Heat Safety**



https://www.weather.gov/wrn/summer-safety







#### **Pet Heat Safety**

#### Facebook

Animals can die of heatstroke within 15 minutes, and cracking the car windows doesn't help. NEVER leave your pets in parked vehicles. weather.gov/safety/heat-children-pets

#### witter

Nationals can die of heatstroke within 15 minutes, and cracking the car windows doesn't help. NEVER leave your pets in parked vehicles. weather.gov/safety/heat-children-pets#WeatherReady



### **Contact Us**

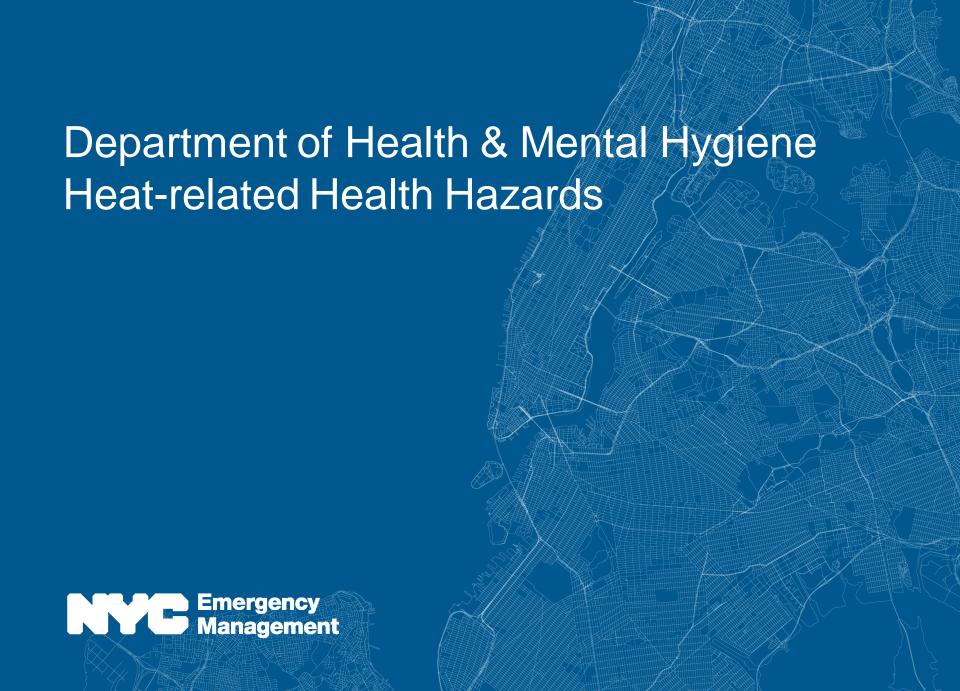


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Ross Dickman, Meteorologist In Charge <a href="mailto:i.ross.dickman@noaa.gov">i.ross.dickman@noaa.gov</a>



### **Heat-related Health Hazards (1 of 2)**

### Heat not just uncomfortable, but dangerous.

- When is heat most dangerous?
  - Heat index reaches 95°F for 2 or more days, or anytime the heat index reaches 100°F.
- Who is most at risk?
  - Those who have underlying risk factors (e.g., older age, chronic health conditions, etc.) and those who lack home air conditioning or have it but cannot afford to run it.
- What parts of the City are at highest risk?
  - DOHMH created a Heat Vulnerability Index (HVI) to understand which neighborhoods are at higher risk during extreme heat:





### **Heat-related Health Hazards (2 of 2)**

- During heat emergencies, DOHMH tracks heat-related emergency department visits and EMS calls to assess event impact.
- This summer, vaccination coverage is increasing but we still face challenges from COVID-19.
  - COVID-19 risk factors mirror heat-health risk factors.

Prevention before extreme heat is key.







### **Utility Providers – Con Edison**



### Summer Preparedness

- System reinforcement and reliability:
  - Inspections, testing, replacements and upgrades on transmission / distribution system.

### **Operational Readiness**

 Response plans, training, exercises, and pre-emptive measures / communications.

#### Peak Load Forecasts

Electric peak demand for 2021 (12,880 MW) is forecasted to be lower than 2020 with adequate supply available (15,470 MW) to meet the need.

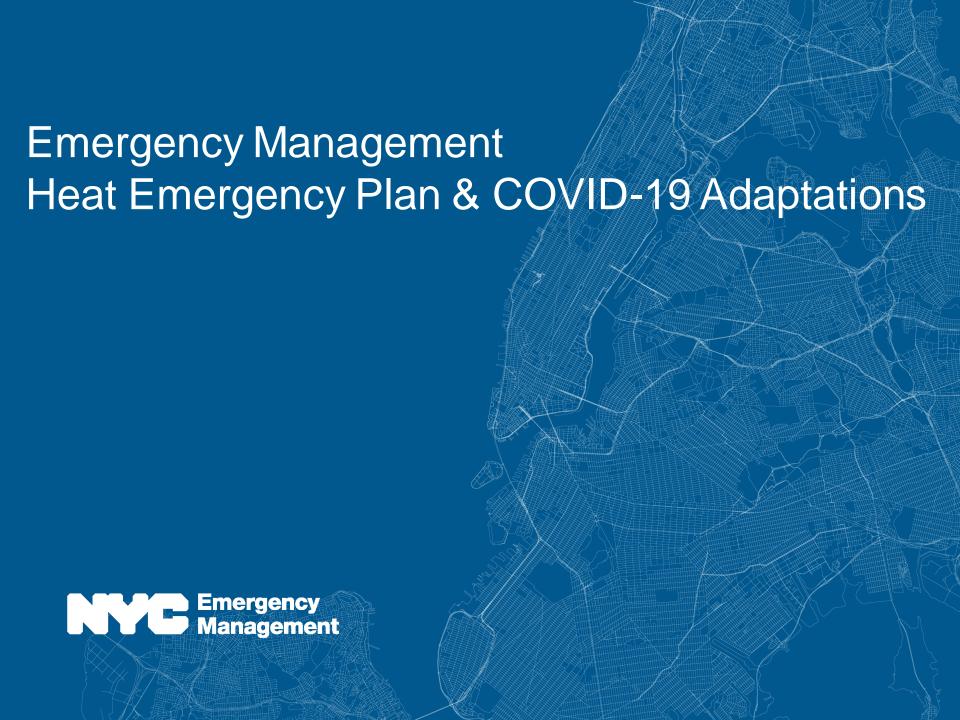


### **Utility Providers – PSEG-LI**



- Forecasted summer peak load: 128 MW
- Increase in peak contributed to:
  - Commercial loads coming back due to restrictions being lifted.
  - 2021 new commercial and residential loads with a total of 10.3 MW.
  - 2020 new commercial and residential loads that were delayed due to COVID-19 impact with a total of 1.7 MW.
- Circuit improvement project conversion of 4 kV to 13 kV in the area of 108<sup>th</sup> Street to 129<sup>th</sup> Street, Rockaway Beach to be completed in June.
- Construction of two new transmission circuits to be started in Fall 2021.
  - Install 2.2 miles of new 33 kV underground transmission circuit from the Far Rockaway Substation to the Arverne Substation.
  - Install a new three-mile 33 kV underground transmission line from the Arverne Substation to the Rockaway Beach Substation.





### **Heat Emergency Plan (NYCEM)**

### Threshold for Activation of NYC Heat Emergency Plan

- Predicted heat index of 95°F or higher for two days or more.
- Predicted heat index of 100°F or higher for one day or more.

#### Excessive Heat Enhanced Actions

May be triggered for a predicted heat index of 105°F for any duration or 95°F for four days or more. Triggers an enhancement of actions, outreach, and communication.

### **Plan Objectives & Strategies**

1. Disseminate Public Information

2. Minimize Impacts to Public Health

3. Minimize Impacts to Infrastructure



2

## Public Information & Community Engagement

















#### **Training Series for CBOs / FBOs**



### **Active Messaging and Communication**



### Minimize Impacts to Public Health

- Advance Warning System (AWS)
  - NYCEM uses AWS to deliver pre-season and / or hazard information to organizations that serve persons with disabilities and other vulnerable populations within the City.
  - The City's AWS Pre-season Heat Call will be held on Monday, June 7<sup>th</sup>.
  - The first AWS pre-season heat message will be sent on June 21<sup>st</sup> or during the first heat activation, whichever occurs first.





### **Minimize Impacts to Public Health**





## **Minimize Impacts to Public Health – Parks**

### Outdoor Cooling

- Pool Updates
- Beach Updates
- Miscellaneous Outdoor Cooling Features

### Cooling Centers





## Minimize Impacts to Public Health - DSS (1 of 4)

### Home Energy Assistance Program (HEAP) Overview

- HEAP is a federally funded program that helps low-income homeowners & renters pay utility bills.
- If you receive an electric, gas, or heating disconnect notice, you can apply for financial help and may also qualify for help if you have a broken boiler.
- Active SNAP / Cash Assistance clients and clients receiving SSI who live alone are automatically eligible for HEAP benefits.

#### Qualifications for HEAP assistance include:

Your household received a HEAP benefit during the current HEAP program year or you are currently receiving Temporary Assistance (TA) or Supplemental Nutrition Assistance Program (SNAP) assistance.

### **Qualifications for HEAP cooling assistance include:**

- Your household received HEAP benefit during the current HEAP program year or you are currently receiving TA or SNAP.
- Household member must have a medical condition exacerbated by heat.
- For benefit information please contact the Heat Line: 212-331-3126.



## Minimize Impacts to Public Health – DSS (2 of 4)

#### **Homeless Outreach**

Increased monitoring and outreach efforts to assist the homeless population

#### Code Red Level 1:

- Heat Advisory issued;
- NWS forecasted temperature of 100°F or higher for 24 hours or more; or
- Heat indices are forecasted to reach 95°F or higher at any point for two or more consecutive days.

#### **Code Red Level 2:**

- Excessive Heat Watch or Excessive Heat Warning issued;
- Heat index reaches 105°F or higher for any duration or;
- Heat indices are forecasted to reach 95°F for four or more days.
- Code Red is compatible with the Citywide Heat Emergency Plan and the Excessive Heat Emergency Plan criteria.



## Minimize Impacts to Public Health – DSS (3 of 4)

#### Once Code Red is Activated:

- DSS Emergency Management sends alert to Outreach Teams.
- Outreach Teams deploy & assist at-risk clients to voluntarily come indoors to shelters or cooling centers.
  - Arrange transport for individuals voluntarily accepting services.
  - Provide water & sunscreen.
  - Shelters will not suspend any individuals currently in the shelter system.
  - If no beds are available, the client will be given option to remain in the current facility without an assigned bed or transfer to one with beds.
- Outreach Teams develop summarized reports, provided to NYCEM during heat activations.
- Collaborations with agency partners: DOE, DOT, DSNY, GNYHA, H&H, MTA, NYCEM, NYPL, Parks, Brooklyn & Queens Library, and private hospitals.



## Minimize Impacts to Public Health – DSS (4 of 4)

#### Code Red Activation & COVID-19

#### Outreach Teams:

- Staff wear & distribute PPE to clients.
- Clients are screened by teams.
- If clients have COVID-19 symptoms, they are transported via EMS to a hospital for testing.

#### Shelters & Drop-In Centers:

- Social distancing of clients maintained at six feet apart.
- Face masks or coverings required; will be provided if needed.
- Clients screened for COVID-19 symptoms via survey & temperature check.
- If clients have COVID-19 symptoms, they will be isolated & referred for placement to an isolation center.

#### Hospital Emergency Rooms:

 Due to social distancing challenges, clients in hospital emergency rooms that are not there for medical purposes can be transported to a DHS isolation center by contacting the DHS Joint Command Center (JCC).



### Minimize Impacts to Infrastructure

### Relieve Stress on Electric System

Term	Definition
Customer Appeal	An appeal to customers to turn off non- essential electrical equipment, and to keep air conditioner temperatures at 78°F.
Peak Load Management	Request to large customers to switch from the utility company's supply to generator power.
Demand Response	Voluntarily enrolled participants switch to generator power on a contingency basis.
Voltage Reduction	5% or 8% voltage reduction to prevent the remaining network feeders from failing and avoid customer outages.
Load Shedding	Dropping parts of one or more networks in an attempt to keep the bulk of the network in service.

- Account for Changes in Demand
- Mitigate Loss of Power for Facilities with Vulnerable Populations



### Minimize Impacts to Infrastructure

- Power Disruption and Communications Readiness Protocol Overview:
  - Formalizes <u>proactive monitoring and communication</u> of electric utilities' operating status and network conditions.
  - Contains two call forms:
    - Coordinated Condition Assessment Call
    - Interagency Notification and Planning Call upon notification, agencies should be prepared to: join the conference bridge quickly; de-load building; and deploy resources, as needed.

#### 2020 Case Study - Bay Ridge Power Contingency (July 29, 2020):

- Multiple feeders in Con Ed's Bay Ridge network experienced outages.
- Con Ed:
  - Implemented voltage reductions;
  - Notified agencies;
  - Made customer appeal, amplified by Mayor;
  - Moved generators and crews; and
  - Actively prepared to pre-emptively drop customers.

Due to proactive interagency notification and coordination, the City was better positioned to respond to a potential network outage.



### Minimize Impacts to Infrastructure

- Excavation Safety Alert (ESA):
  - If the forecast meets either of the Heat Emergency Plan triggers or if requested by Con Ed, NYCEM Watch Command will issue the ESA to protect the integrity of underground critical facilities.



NYC Emergency Management Infrastructure Preparedness Bulletin Excavation Safety Alert

#### About the Excavation Safety Alert

Contractors are required to dig safely at all times to protect underground critical facilities by following requirements outlined in the Protection of Underground Facilities Act (16 NYCRR Part 753), also known as Code 753. Under New York State law, contractors are required to "Call Before You Dig" through New York 811 (1-860-272-4460 or 811).

During periods of extreme temperatures or high system demands, the continuity of underground critical facilities that supply electric, gas, steam, water, and telecommunications becomes vital to maintaining a high level of public safety and quality of life. Based on weather conditions, the City will issue an Excavation Safety Alert to heighten awareness of safe excavation practices and provide additional guidance to contractors that is above and beyond what is outlined in Code 753 for facilities that are deemed critical.

If an Excavation Safety Alert is issued, contractors are strongly encouraged to implement the enhanced protective measures listed below for critical facilities, such as primary electric feeders, oil filled electric facilities, gas transmission mains, safeteommunications switching stations.

#### Suggested Actions During an Excavation Safety Alert

#### **Enhanced Protective Actions**

- Cease all activity involving excavation within eight feet from the outside edge of the facility trench to the marked critical facilities.
- Excavation activity may resume around critical facilities only if the contractor digs by hand and uncovers the critical facility. Once the location and extent of the critical facility is visually confirmed, excavation may resume utilizing powered equipment to within four feet of the edge of the critical facility.
- Other restricted activities in the presence of critical facilities include, but are not limited to, backfilling and tamping and installing piping under critical facility crossings. When these activities are necessitated by schedule or work area restrictions/stipulations, the contractor may proceed with extreme caution.
- Utilize an excavator observer or "pit man" to the assist the equipment operator when operating excavation equipment

#### General Protective Activities

- Call Before You Dig: New York 811 (1-800-272-4480 or 811)
- Wait the required time
- Confirm utility response
   Respect the markings
- Dig with care: take all reasonable steps necessary to avoid damage to and/or interference with underground facilities

#### **Excavation Safety Alert Information Sources**

Non-emergency	311
Emergencies	911
New York 811	1-800-272-4480 or 811
	http://newyork-811.com/
New York City Emergency Management	NYC.gov/emergencymanagement



- Spray Caps are used to reduce the amount of water wasted during hot weather when hydrants are illegally opened and used as sprinklers.
  - The resulting drop in system water pressure can reduce firefighting capabilities and create potentially life-threatening situations for the public.
  - Hydrant spray caps reduce the discharge of open hydrants from ~ 1,000 to 25 gallons / minute.
- DEP responds to large numbers of open hydrant complaints through its Hydrant Patrol Operation:
  - Requires crews to circulate in areas of high concentration of complaints to shut hydrants.
  - This diverts resources away from regular maintenance activities.
  - Significant overtime commitment.





### **Additional Heat Emergency Plan Considerations**

#### **Heat-Related Resource Preparedness**

Take Inventory of Seasonal Resources



Place Any Needed Orders with the DCAS Storehouse



Be Informed of Citywide Requirements Contracts Held by DCAS



Heat-related Resources Include:	Heat-related Contracts Include:
<ul><li>Bottled Water</li><li>Fans</li><li>Generators</li></ul>	<ul><li>Air Conditioners</li><li>Bottled Water</li><li>Generators</li><li>Light Towers</li></ul>



### **Additional Heat Emergency Plan Considerations**

### Heat Emergency Steering Committee Call Expectations

 Current situation summary; mobilization of plans, staff, equipment; nextworst contingencies; messaging; and resource needs.

### Heat Activation Expectations

- Virtual activations are expected to continue, with the potential for in-person should conditions warrant.
- NYCEM is planning to replace Situation Report with a Heat Dashboard for this heat season.

To request a copy of the Heat Emergency plan, please email your agency's NYCEM Liaison



### **Agency Report Outs**

- External Affairs: 311, CAU, CECM, PEU
- Health & Medical: DOHMH, GNYHA, H+H, NYS DOH
- Utilities: Con Ed, PSEG-LI
- Human Services: ARC, DFTA, DOE, DSS, MOPD, NYCHA
- Infrastructure: DCAS, DEP, DoITT, Parks
- Transportation: MTA
- Public Safety: FDNY, NYPD
- Other
- Mayor's Office: DMO



