



OFFICE OF THE DIRECTOR

**DATE:**

June 21, 2024

**TO:**

The Honorable Josh Shapiro  
Governor  
Commonwealth of Pennsylvania

**FROM:**

Randy Padfield  
Director, PA Emergency Management Agency

**TIME PERIOD:**

This report covers the period from 0600 hours, June 20, 2024, through 0600 hours, June 21, 2024.

**STATUS REPORT:** (as of 0600 hours)

**THREAT STATUS:**

**National Terrorism Advisory System:** There are no current advisories.

**Commonwealth Response Coordination Center (CRCC) Status:** Commonwealth Watch and Warning Center (CWWC) – Enhanced Watch as of 0800, 6/18/24

**County EOC Activations:** None

**Municipal EOC Activations:** None

**CAPABILITIES STATUS:**

**PA All-Hazards Type-3 Incident Management / Team – Mission Capable**

**PA-Task Force 1 (PA-TF1) – Mission Capable** – One planner with PA-TF1 (Blue IST) is deploying in support of the New Mexico Wildfires

**INFRASTRUCTURE STATUS:**

**Major Road Closures:** None  
**Power Outage Reports:** As of 0600 hours, 963 customers  
**Telephone Outage Reports:** None

**SIGNIFICANT EVENTS:**

**OPEN:**

**MISSING ENDANGERED PERSON ADVISORY (MEPA) – Butler County, 6/20/24** – A Missing Endangered Person Advisory (MEPA) was issued for a 74-year-old, white male last seen in the area of Henschel Acres Lane, Winfield Township, Butler County on 6/19/2024 at approximately 0024 hours. He is described as 6 feet 0 inches tall, 160 lbs., with gray hair, and blue eyes, wearing glasses, wearing a white t-shirt, khaki fishing vest and blue Carhartt jeans. He was operating a dark green 2021 Mercedes SUV, bearing PA registration. Police believe this person may be at special risk of harm or injury or may be confused.

**A/C ISSUES AT SKILLED NURSING CENTER – Berks County, 6/19/24** – The West Reading Skilled Nursing and Rehab Center at 425 Buttonwood Street in West Reading Borough is having internal issues causing intermittent A/C failure. The facility has made purchases and rentals to meet their needs and does not require any outside resources. There have been no evacuations. The Coalition Manager for the Central Regional Healthcare Coalition advised that they were moving assets to support the AC needs at the facility.

**ADVERSE WEATHER – EXTREME HEAT –Statewide, 6/17/24** – Severe thunderstorms and high heat crossed into the Commonwealth leading to a high number of power outages. Power outages peaked around 110,000 into the evening but have begun to recede. Cooling shelters have been opened in Clarion, Dauphin, Greene, Washington, and Westmoreland Counties. At 0800 on 6/18/24 the Commonwealth Watch and Warning Center moved to Enhanced Operations due to the heat. Additionally cooling shelters opened throughout Pennsylvania as another day of heat impacted the Commonwealth. Power outages issues stabilized allowing the number of outages to recede closer to June norms with repairs continuing to be addressed. On 6/19/24, Lebanon and Washington Counties opened additional cooling shelters. On 6/20/24, the Kinzu Valley Healthcare (nursing home), 205 Water Street, City of Warren, Warren County, had a partial HVAC failure in the Alzheimer’s Unit. Facility maintenance is working to restore the system. Patients were moved into a therapy area. The Clinton County Housing Authority’s residential units at 9th Street in Renovo Borough, Clinton County experienced a power outage affecting 40 residents. Residents were move to vacant units that still have power. The Claremont Nursing and Rehabilitation facility at 1000 Claremont Road in Middlesex Township, Cumberland County experienced failure of an air conditioning unit affecting one wing/floor of 50 patients. Six one-ton A/C units have been rented and installed.

**APARTMENT UTILITY ISSUE – Philadelphia County, 6/10/24** - A 14-story, 100x50, 100+ unit apartment building at 3701 Chestnut Street in Philadelphia had a water pipe break at 1258 hours on 6/10/2024. Philadelphia Fire Department reported issues of malfunctioning elevators. Command reported approximately 30 occupants were displaced as a result of the leaking water pipe. The Philadelphia Water Department (PWD), Labor and Industry (L and I) and Office of Emergency Management were requested to respond to the location. The leak was isolated as of 1320 hours. Command placed the incident under control at 1501 hours. All occupants are students. The evacuated building is owned by a private entity, and they are working on getting the power turned on. However, this will not happen until sometime tomorrow. The displaced individuals were provided transportation and hotel rooms by property management. Philadelphia OEM will hold a meeting this morning to ensure housing is provided to the displaced individuals until they are allowed back into their residences. 6/11/24 - L and I issued a cease and vacate order. A reception center has been established at the Neumann Center on the UPenn Campus, and the American Red Cross has established a shelter at the South Philadelphia High School. Nine adults and one child reported to the shelter. The Salvation Army is assisting with meals. 6/16/24 – The new target date to close the shelter is Monday, 6/17/24. L and I is awaiting a part to repair the electrical system in the original building. There are currently seven people staying in the shelter. 6/17/24 - There

are currently six adults in the shelter and no children. The status of the property at 3701 Chestnut Street is still not finalized but it continues to be worked on. If still needed, the shelter at South Philadelphia High School will be relocated to 600 East Luzerne Street on 6/17/24 by 1400 hours. OEM will support the shelter residents in moving to the new shelter at 1400 hours, if needed.

**WATER LEAK – Lancaster County, 6/1/24** - A 3/4" cap on a water line broke on the 3rd floor of the Lancaster County Government Building, 150 North Queen Street in the City of Lancaster. The leak caused water damage to the 3rd floor as well as the floors below. A damage assessment was conducted by the Emergency Management staff, the County Facilities Director, and Complete Restoration. On 6/2/24, the County Commissioners decided to close the government center on Monday, 6/3/24, while evaluation of water damage in the building continues. The center reopened to the public on 6/10/24, but many of the offices are out of their normal locations and the facility is still in recovery mode.

**ROAD CLOSURE DUE TO SUBSIDENCE – Cambria County, 4/25/24** - An engineer for West Taylor Township contacted the county EMA about subsidence of the roadway in the 100 block of Batzel Road. Emergency management staff responded and noted considerable subsidence of the roadway. This is reportedly an ongoing issue where the township lays down new asphalt as a temporary measure. Electrical service and a cable line are pulled tight between the nearby residence and a utility pole which seems to have shifted. There is also considerable twisting of the guardrail. Cement barriers will be requested to close the roadway. There are no residents that are currently affected by this closure. There will be a minor detour for emergency vehicles. Engineers are working with the township to develop a long-term repair plan.

**TRAIN DERAILMENT – Columbiana County, Ohio, 2/3/23** - On 2/3/23 at 2130 hours, mutual aid crews from Beaver County responded to a train derailment near Taggart Street, East Palestine, Ohio. Approximately 53 railcars derailed and some of them caught fire. There were five cars of vinyl chloride within the wreckage. Around 2330 hours a call was received from an Environmental Protection Agency (EPA) Region 3 representative, and they advised there was no current impact to PA. EPA Region 5 and Ohio EPA set up air monitoring equipment and they also used handheld monitors, and nothing was detected. Members of the PA Department of Environmental Protection (DEP) Southwest Regional Office were also onsite monitoring through daylight and maintained a presence until there was no threat to PA. An IMAAC model showed a potential impact to residences in PA if harmful chemicals were released from any of the derailed cars. Beaver County EMA Coordinator reported that they followed Columbiana County, Ohio's lead and a message was sent out to 16 registered users in the one-mile zone to shelter in place. Ohio later changed their message to an evacuation, but Beaver County remained as a shelter-in-place due to no residences being impacted. Shell Monaca was provided green foam to help extinguish the fires. Clean-up contractors from SPSI and Hepaco responded to the scene. The shelter-in-place order remained in effect for Beaver County. Beaver County sent tankers from nine departments and an engine to assist in drafting from a lake in town once the railroad deemed it was safe. As of 2/5/23, Columbiana County, Ohio EMA recommended a one-mile evacuation around the incident due to one of the vinyl chloride rail cars showing a temperature increase. This included the 10 homes that were sheltering in place within Beaver County. On 2/6/23, all 20 homes in the PA evacuation zone were evacuated. Beaver County Animal Response Team (CART) requested assistance for trailers from Washington and Westmoreland counties to assist with the evacuation of farm animals from Kindred Spirits Rescue Farm. The recommended evacuation zone remained at one mile. The Pennsylvania Emergency Management Agency (PEMA) ordered a partial activation of the Commonwealth Response Coordination Center (CRCC) at 1100 hours and Beaver County Emergency Operations Center (EOC) partially activated. A planned controlled

detonation was performed to empty five rail cars into a trench to burn off the vinyl chloride. Norfolk Southern established a Family Assistance Center for affected residents in New Waterford, Ohio; Beaver Valley Intermediate School remained open. On 2/7/23, the plume from the controlled detonation on 2/6/23 dissipated with no significant air detection identified by EPA Region 3 or PA DEP. Norfolk Southern conducted wrecking operations of damaged cars at the sight. Normal readings were reported by the Ohio Civil Support Team after monitoring the inside of three residences. The Ohio Department of Natural Resources reported approximately 1,800 fish killed within the streams and creeks that were affected. Air monitoring continued and there were no contaminants or concerns. The PEMA CRCC demobilized on 2/8/23 at 1600 hours. All roads that were closed in PA, including PA-51, were reopened. The Beaver County EOC deactivated at 1200 hours on 2/10/23. A public inquiry line remains operational. On 2/14/23, the EPA identified three other chemicals that were part of the train. They continued to monitor the air and waterways for contamination. On 2/23/23, PEMA, in conjunction with the Departments of Health (DOH) and Environmental Protection, launched a website to provide information to Commonwealth residents about the derailment. On 2/28/23, the Pennsylvania Department of Health opened a Health Resource Center in Darlington Township, Beaver County for residents of Beaver and Lawrence counties who have health concerns following the Norfolk Southern train derailment. On 3/1/23, door-to-door surveys were conducted for 22 households within the 1-mile evacuation zone. Additional discussion led to a decision to do CDC outreach (door knocking) within the 2-mile radius in Pennsylvania, which began on 3/2/23. Approximately 450 healthcare providers participated in three webinars conducted on 2/28/23 and 3/1/23 for major medical providers in the Southwestern Region. Sample testing and review on Norfolk Southern soil sampling continued by Commonwealth agencies. The EPA Region 3 Director accompanied by staff, Pennsylvania Senator Casey, and Representative Deluzio toured the site on 3/2/23. On Monday, 3/6/23, Pennsylvanian Governor Shapiro announced that Norfolk Southern has agreed to pay Pennsylvania millions of dollars for the impacts of the train derailment. Norfolk Southern agreed to reimburse local fire departments to replace contaminated or damaged equipment used during the response to the derailment, to provide funds for a Community Relief Fund to be run by officials in Beaver and Lawrence counties, and to reimburse state agencies (DEP, DOH, and PEMA) for associated costs. Norfolk Southern collected soil samples with representatives from the EPA present. Removal of the train tracks closest of Pennsylvania began over the weekend and was completed 3/5/23. Excavation of the contaminated soil began, and odors were expected to be released into the air. Air monitoring was increased during the process which is expected to take at least three to four days depending on the depth of the contaminants in the soil. The EPA requested Norfolk Southern to provide additional financial assistance to residents within one mile of the derailment site if they are impacted by the odors released during the excavation of the soil which the company has agreed too. Pennsylvania state agencies supported another East Palestine Community Resource Fair this Thursday at the East Palestine High School. Beaver County coordinated a separate Community Resource Fair for Pennsylvania residents for the following week which the state agencies supported. U.S. Senator Bob Casey completed a quick tour and talk at the Health Resource Center Monday morning. A Norfolk Southern contracted company sampled 16 private wells in Pennsylvania. DEP sampled 27 private wells in the area as of Monday with more sampling expected 3/7/23. On 3/8/23 DHS coordinated a call with Beaver and Lawrence counties about the possibility of applying for a Substance Abuse and Mental Health Services Administration (SAMHSA) Emergency Response Grant (SERG) to provide funding for additional behavioral health services that may be required following this incident. DOH and PEMA also participated in the call. Excavation work at the site was temporarily stopped due to elevated readings and release of odor. The excavation of the soil at the south tracks of the derailment site was mostly complete. As of 3/13/23, Norfolk Southern was waiting on soil samples to come back from the elevated spots that were detected. Due to contaminants being detected during the initial excavation at two to four inches, additional sampling was done at

12 to 15 inches to make sure all contaminated soil is removed. Soil excavation for the north track was still in the planning process. As of 3/16/23, the excavation of the soil at the south tracks of the derailment site was completed. The Health Resource Center (HRC) completed its final daily operational period at 1400, 3/16/23. The HRC moved to operations on Thursdays beginning 3/23/23. Excavation of the north track and removal of contaminated soil and water continued. OSHA joined the on-site operations to provide support to the safety officer and ensure that the community and personnel are safe during operations. EPA Region 5 conducted an information session focused on air quality and air monitoring on 4/27/23. EPA Region 5 conducted an information session focused on surface water on Thursday, May 11, at the Way Station and First United Presbyterian Church in East Palestine. As of 6/27/23, excavation underneath Pleasant Drive was complete, and the roadway was opened for traffic on 6/28/23. Contamination underneath the north and south tracks was removed, and both tracks are fully operational. As of 7/11/23, surface and ground water sampling plans for the remainder of the cleanup have been approved by EPA. In addition, gravel was laid on the turnaround on East Martin Street in preparation for asphalt to help control erosion and dust. A site storm water inspection was conducted, and additional storm water controls were put into place to improve the existing storm water management plan. EPA hosted a site progress information session on 7/20/23 at the First United Presbyterian Church in East Palestine. Activities are ongoing. As of 7/31/23, Norfolk Southern offered help with indoor cleaning for homes and business for those within the one-to-two-mile Ohio-Pennsylvania evacuation zone. As of 3/22/24, the EPA and PA DEP continue to monitor wells in the area.

#### **CLOSED:**

**CHURCH FIRE - Butler County, 6/20/24** – Units responded for a structure fire at the Crossway Community Church in Middlesex Township. The call went to three alarms with no injuries reported. The fire was extinguished, and units began clearing in just under three hours. The fire marshal is investigating.

**SHOOTING – Philadelphia County, 6/19/24** – A shooting at 2810 North Bambrey Street in the City of Philadelphia was received by Philadelphia OEM. Two of the victims were transported to Temple Hospital, and three walked into Temple Hospital. Philadelphia Police Department (PPD) is currently on scene investigating and searching for suspects. PPD reported all victims are in stable condition. There are six adults and one juvenile. The juvenile was taken to St Christopher's Hospital. The six adults were transported or walked into Temple Hospital.

#### **DISASTER DECLARATIONS:**

6/7/24 – City of Pittsburgh, Allegheny County has issued a Declaration of Disaster Emergency due to a multi-residential structure fire at the 2<sup>nd</sup> Avenue Commons Shelter on 6/4/24.

5/27/24 – Mahanoy City Borough issued a Declaration of Disaster due to adverse weather.

5/11/24 - Union Township, Washington County has issued a Declaration of Disaster Emergency due to adverse weather.

4/23/24 - Hopewell Township, Beaver County has issued a Declaration of Disaster Emergency due to adverse weather.

4/18/24 - South Buffalo Township, Armstrong County has issued a Declaration of Disaster Emergency due to adverse weather on 4/11/24 and 4/12/24.

4/11/24 - Canton Township, Washington County has issued a Declaration of Disaster Emergency due to adverse weather.

4/11/24 - Oakdale Borough, Allegheny County has issued a Declaration of Disaster Emergency due to adverse weather.

4/10/24 - Jefferson Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/10/24 - Jackson Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/10/24 - Perry Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/10/24 - Wayne Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/10/24 - Center Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/9/24 - Aleppo Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/8/24 - Washington Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/8/24 - Richhill Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/5/24 - Gilmore Township, Greene County has issued a Declaration of Disaster Emergency due to adverse weather.

4/4/24 - Nippenose Township, Lycoming County has issued a Declaration of Disaster Emergency due to adverse weather.

4/4/24 - Deemston Borough, Washington County has issued a Declaration of Disaster Emergency due to adverse weather.

4/4/24 - Marianna Borough, Washington County has issued a Declaration of Disaster Emergency due to adverse weather.

4/3/24 - Red Stone Township, Fayette County has issued a Declaration of Disaster Emergency due to adverse weather.

4/3/24 - German Township, Fayette County has issued a Declaration of Disaster Emergency due to adverse weather.

4/3/24 - Brownsville Borough, Fayette County has issued a Declaration of Disaster Emergency due to adverse weather.

4/3/24 – Bentleyville Borough, Washington County has issued a Declaration of Disaster Emergency due to adverse weather.

4/3/24 – Punxsutawney Borough, Jefferson County has issued a Declaration of Disaster Emergency due to adverse weather.

2/13/24 – Millersburg Borough has issued a Declaration of Disaster Emergency due to power outages affecting independent living facilities and apartments on 2/13/24.

9/25/23 – Blawnox Borough, Allegheny County has issued a Declaration of Disaster Emergency due to a water main break and damages to Freeport Road.

9/23/23 – Oxford Borough, Chester County has issued a Continuation of the Declaration of Disaster Emergency due to the multi-building structure fire on 9/13/23.

9/19/23 – Fairchance Borough, Fayette County issued a Declaration of Disaster Emergency due to a dam issue that has caused or threatens to cause injury, damage, and suffering to the persons and property of Fairchance Borough on or about 9/19/23.

9/14/23 – Oxford Borough, Chester County has issued a Declaration of Disaster Emergency due to the multi-building structure fire on 9/13/23.

9/13/23 – Clifford Township, Susquehanna County issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

9/10/23 – Lackawanna County has issued a Declaration of Disaster Emergency due to the severe thunderstorms and flooding of 9/9/23 through 9/10/23.

08/24/23 – Forest Lake Township, Susquehanna County, issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

08/23/23 – New Milford Township, Susquehanna County, issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

08/23/23 – Harford Township, Susquehanna County, issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

08/23/23 – Susquehanna Depot Borough, Susquehanna County, issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

08/18/23 – Rush Township, Susquehanna County, issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

08/18/23 – Susquehanna County issued a Declaration of Disaster Emergency due to adverse weather on 8/18/23.

8/14/23 – Plum Borough, Allegheny County, issued a Declaration of Disaster Emergency due to a house explosion on 8/13/23.

6/16/23 – West Caln Township, Chester County issued a Declaration of Disaster Emergency due to adverse weather and storm damage throughout the township on 6/16/23.

6/12/23 - Governor Josh Shapiro issued a proclamation of disaster emergency for Philadelphia County in response to the I-95 fire and collapse on 6/11/23. The governor's proclamation makes \$7 million of state funds immediately available for the reconstruction of the roadway and authorizes the Pennsylvania Emergency Management Agency, the Department of Transportation, and the Pennsylvania State Police to use all available resources and personnel, as necessary. This proclamation will remain in place for 21 days, unless extended by the Legislature.

9/10/21 - The Honorable Tom Wolf, Governor of the Commonwealth of Pennsylvania, requested a major disaster declaration from the President through the Federal Emergency Management Agency to provide additional support for state, county and municipal governments, and individuals affected by the remnants of Hurricane IDA between 8/31/21 and 9/5/21. The declaration includes Individual Assistance to individuals and households in Bucks, Chester, Delaware, Montgomery, Philadelphia, and York counties, and assistance under the Hazard Mitigation Grant Program in all areas of the Commonwealth. Public Assistance is under review. The President approved the declaration on 9/10/21 under Major Disaster Declaration FEMA-4618-DR. 9/24/21 - Amendment No. 1 designates Bedford and Northampton counties for Individual Assistance. 10/8/21 - Amendment No. 2 designates Bucks, Chester, and Montgomery counties for Public Assistance (already designated for Individual Assistance). 10/14/21 - Amendment No. 3 designates Bedford, Philadelphia, and York counties for Public Assistance (already designated for Individual Assistance). Plus, Fulton, Huntingdon, Luzerne, and Schuylkill counties for Public Assistance. 10/20/21 - Amendment No. 4 designates Delaware County for Public Assistance (already designated for Individual Assistance), and Dauphin County for Public Assistance.

8/31/21 - The Honorable Tom Wolf, Governor of the Commonwealth of Pennsylvania, signed a statewide Proclamation of Disaster Emergency on 8/31/21 in response to severe weather event Hurricane Ida that impacted the Commonwealth of Pennsylvania causing widespread threats of serious flash and riverine flooding and other adverse impacts throughout the Commonwealth.

3/30/20 - Governor Tom Wolf requested a major disaster declaration from the President through the Federal Emergency Management Agency to provide additional support for state, county and municipal governments and certain nonprofits, as well as individuals who are struggling during the COVID-19 outbreak. The request for a major disaster declaration will provide the same emergency protective measures available under the nationwide emergency proclamation; the following Individual Assistance programs: Disaster Unemployment Assistance, Crisis Counseling, Community Disaster Loans, and the Disaster Supplemental Nutrition Program; and Statewide Hazard Mitigation. The President approved the declaration on 3/30/20 under Major Disaster Declaration FEMA-4506-DR.

11/27/18 - A Major Disaster Declaration was declared on 11/27/18 for severe storms and flooding that occurred 8/10/18 - 8/15/18. Public Assistance (Cat A-G) was approved for Bradford, Columbia, Lackawanna, Lycoming, Montour, Northampton, Schuylkill, Sullivan, Susquehanna, Tioga, and Wyoming counties. In addition, all areas in the Commonwealth of Pennsylvania are eligible for assistance under the Hazard Mitigation Grant Program. The designation is FEMA-4408-DR.

#### **CONTIGUOUS STATE EVENTS OF POTENTIAL INTEREST TO PENNSYLVANIA:**

Delaware:	Normal Operations
Maryland:	Enhanced Watch in support of excessive heat event
New Jersey:	Normal Operations



New York: Enhanced Monitoring in support of excessive heat event  
Ohio: Normal Operations  
West Virginia: Normal Operations

## **24-Hour Projected Weather Statewide:**

### **National Weather Service, 0516 hours, 6/21/24**

A hot and humid first full day of summer across the state with near-record high temperatures ranging from the mid-80s to mid-90s. A few strong to locally damaging thunderstorm wind gusts are possible this afternoon and evening along with some brief heavy rainfall. Low temperatures tonight between 65 and 75 degrees will provide little relief from the heat. Areas of fog may become locally dense overnight into early Saturday morning.

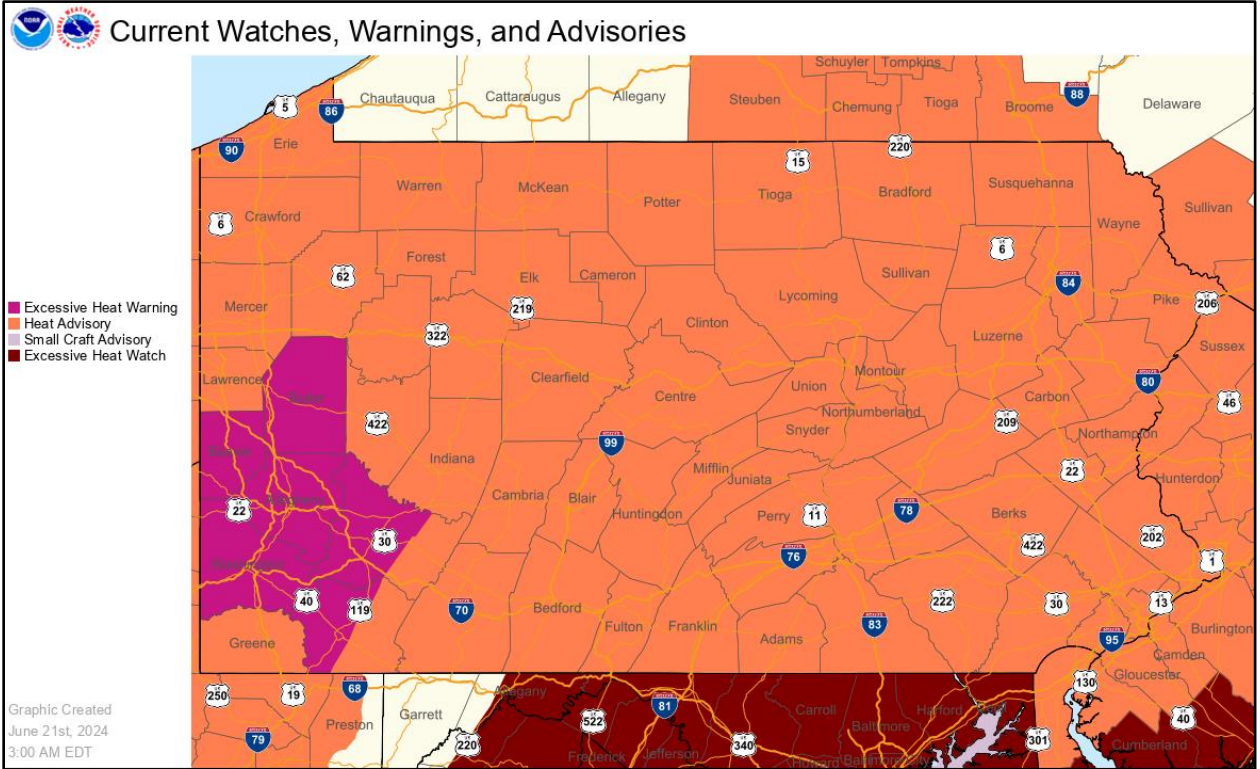
The ongoing, significant early summer heat wave impacting the Commonwealth will peak over the weekend with high temperatures between 90 and 100 degrees and heat indices between 95 and 110 degrees. The early arrival of the heat, persistence of the heat over multiple days, and light winds and limited cloud cover will remain aggravating factors in terms of overall heat stress.

Isolated strong to severe thunderstorms will remain possible during the afternoon and evening Saturday and Sunday. Some relief from the sweltering heat and humidity is expected on Monday.

### **WATCHES AND WARNINGS:**

An Excessive Heat Watch has been issued until 2000 hours on 6/23/24 for the following counties: Berks, Bucks, Carbon, Chester, Delaware, Lackawanna, Lehigh, Luzerne, Monroe, Montgomery, Northampton, Philadelphia, and Wyoming

An Excessive Heat Warning has been issued until 2000 hours on 6/22/24 for the following counties: Allegheny, Beaver, Butler, Fayette, Washington, and Westmoreland



**TROPICAL WEATHER OUTLOOK:**



# Two-Day Graphical Tropical Weather Outlook

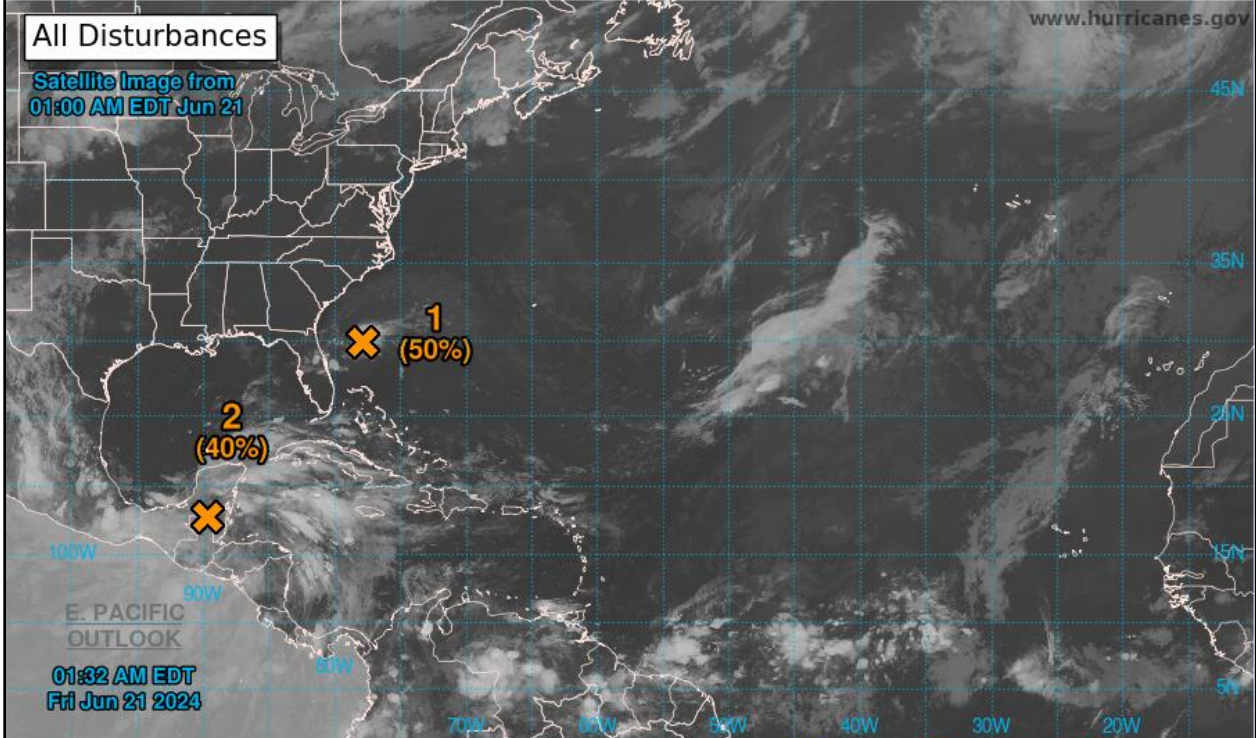
National Hurricane Center Miami, Florida



www.hurricanes.gov

## All Disturbances

Satellite Image from  
01:00 AM EDT Jun 21



01:32 AM EDT  
Fri Jun 21 2024

Current Disturbances and Two-Day Cyclone Formation Chance: < 40% 40-60% > 60%  
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane  
 Post-Tropical Cyclone or Remnants